



2022-2023 HIGH SCHOOL DISTRICT 214

Academic Programs & Pathways Guidebook

@District214 ■ www.d214.org



Table of Contents

Helpful Internet Tools for Finding a Career Pathway	11
Introduction and Definitions	12
D214 Career Clusters and Pathways	13
College and Career Pathway Endorsements	14
Dual Credit Courses	15
D214 School Information	19
College Counselors Contact Information	19
Career Pathways	20
Course Descriptions	223
Academic Policies and Procedures	331

■ Career Pathways 20

Agriculture, Food and Natural Resources (AFNR)	22
Agriculture, Food and Natural Resources	23
Food Science	25
Plant and Animal Systems	29
Arts and Communication (A&C)	34
Arts, Audio/Video Technology and Communications	35
Multimedia Communications	37
Visual Arts: Graphic Arts	41
Visual Arts: Studio Art	45
Visual Arts: Photography	49
Performance Arts: Acting and Theater	53
Performance Arts: Band	57
Performance Arts: Choir	61
Performance Arts: Dance	65
Performance Arts: Orchestra	69
Finance and Business Services (FBS)	74
Business Management and Administration	75
Business Management and Administration	77
Finance	81
Finance	83
Hospitality and Tourism	87
Culinary Arts	89
Marketing	93
Marketing	95
Health Sciences and Technology (HST)	100
Health Science	101
Allied Health	103
Nursing	107
Pre-Medicine	111

Human and Public Services (HPS)	116
Education and Training	117
Early Childhood Education	119
Primary Education	123
Secondary Education	127
Government and Public Administration	131
International Relations	133
Government and Public Administration	137
Human Services	141
Counseling and Mental Health Services	143
Exercise, Physiology and Kinesiology	147
Law, Public Safety, Corrections and Security	151
Criminal Justice	153
Emergency and Fire Management Services	157
Law	161
Information Technology (IT)	166
Information Technology	167
Information Technology and Network Systems	169
Cybersecurity	173
Manufacturing, Engineering, Technology and Trades (METT)	178
Architecture and Construction	179
Architecture	181
Building Trades	185
Manufacturing	189
Fashion	191
Manufacturing	195
Science, Engineering and Mathematics	199
Engineering	201
Actuarial Science	205
Transportation, Distribution and Logistics	209
Automotive Service	211
Aviation	215
Heating, Ventilation and Air Conditioning (HVAC)	219

Course Descriptions

223

English 231

Acting 1	03060	232
Acting 2	03070	232
Acting 3	03300	232
Acting 4	03310	232
Advanced Composition	03280	233
Advanced Composition and Research Methods	53281/53282	233
Advanced Creative Writing and Literary Publication	02011/02012	233
Advanced Multimedia Communication	09120	233
Advanced Multimedia Practicum	09480	233
Advanced Multimedia Production	09210	233
Advanced Multimedia Storytelling	09430	233
Advanced Reading	03200	233
American Literature and Composition	03471/03472	234
American Literature and Composition	03481/03482	234
American Literature and Composition-Integrated	04181/04182	234
AP English Language and Composition	03971/03972	234
AP English Literature and Composition	04051/04052	234
British Literature Survey	03570	234
Broadcast Journalism	03190	234
CAT-Composition	04121/04122	234
College Composition	63290	234
College Intro to Mass Communication	60410	235
College Literature: Stories Matter	61710	235
College Speech Communication	63890	235
College Summer Theatre Performance	66100	235
College Summer Theatre Tech	06620	235
Contemporary American Text	03780	236
Contemporary Literature	03620	236
Creative Writing	03910	236
English 100	03861/03862	236
English Composition	03900	236
English Composition-ASU	63001	236
ESL 1	08031/08032	238
ESL 1 Strategies	08021/08022	238
ESL 2	08051/08052	238
ESL 2 Strategies	08041/08042	238

ESL 3	08071/08072	238
ESL 3 Strategies	08061/08062	238
ESL Tutorial	08081/08082	238
Folklore, Myth and Legend	03700	239
Honors World Literature and Composition	03851/03852	239
Honors Written and Oral Communication	03991/03992	239
Humanities/Composition	04131/04132	239
Humanities/Fine Arts	03600	239
Humanities/Literature 1	03580	239
Humanities/Literature 2	03590	239
Introduction to ESL 1: Reading	08011/08012	240
Introduction to ESL 1: Writing	08001/08002	240
Introduction to Multimedia Communications	09000	240
Language Arts 3	02160	240
Language Arts 4	02170	240
Multicultural Literature	03760	240
Multiculturalism/Creative Writing	04141/04142	242
Multimedia Academy	09490	242
Multimedia Practicum	09270	242
Multimedia Production	09200	242
Multimedia Storytelling	09290	242
Philosophical Literature	03640	242
Popular Literature	03740	242
Prep Reading Skills	02250	243
Preparatory Reading	02191/02192	243
Professional Written Communications	03880	243
Reading and Writing 1	01981/01982	243
Reading and Writing 2	02001/02002	243
Reading Laboratory	02111/02112	243
Reading Skills	02050	243
Reading Skills 2	02030	244
Reading Skills 4	02070	244
Senior English	02131/02132	244
Short Story	03730	244
Technical Theatre	03080	244
World Literature and Composition	03831/03832	244
World Literature and Composition	03841/03842	244
World Literature and Composition Integrated	04171/04172	245
Writing and Oral Communication Integrated	04161/04162	245

Writing Skills 2	02040	245
Writing Skills 3	02060	245
Written and Oral Communication	02101/02102	245
Written and Oral Communication	02561/02562	245
Yearbook 1	03150	245
Yearbook 2	03160	245
Yearbook 3	03170	246
Yearbook 4	03180	246
Yearbook 5	03320	246
Yearbook 6	03330	246
Yearbook 7	03340	246
Yearbook 8	03350	246

Fine Arts 247

2-D Art 1	01360	248
2-D Art 2	01370	248
2-D Art 3	01380	248
3-D Art 1	01330	248
3-D Art 2	01340	249
3-D Art 3	01350	249
Advanced Art 1	01940	249
Advanced Art 2	01950	249
Advanced Guitar Workshop	01761/01762	249
Advanced Imaging 1	01390	249
Advanced Imaging 2	01400	249
Advanced Mixed Choir	01591/01592	249
Advanced Photography Studio	01490	250
Advanced Theater Workshop	01740	250
Advanced Three-Dimensional Art Studio	01211/01212	250
Advanced Two-Dimensional Art Studio	01201/01202	250
AP Art History	01441/01442	250
AP Music Theory	01681/01682	250
AP Studio Art (2-D, 3-D, Drawing)	01291/01292	250
AP Studio Art 2-D Design	01171/01172	251
AP Studio Art 3-D Design	01181/01182	251
AP Studio Art Drawing	01191/01192	251
Art 1	01011/01012	251
Art Imaging 1	01450	251
Art Imaging 2	01460	251
Art Portfolio 1	01270	251
Art Portfolio 2	01280	251
Art Survey	01250	252
Beginning Choir	01501/101502	252
Beginning Mixed Choir	01571/01572	252
Beginning Strings	01821/01822	252

Cadet Marching Band	01751/01752	252
College Introduction to Visual Art	62990	252
Concert Orchestra	01791/01792	252
Concert/Marching Band	01771/01772	252
Fine Arts Workshop	03051/03052	254
Graphic Arts Design	01260	254
Guitar 1	01841/01842	254
Guitar 2	01851/01852	254
Guitar Ensemble	01861/01862	254
Harmony and Arranging 1	01871/01872	254
Harmony and Arranging 2	01881/01882	254
Instrumental Ensemble	01811/01812	254
Intermediate Art 1	01920	255
Intermediate Art 2	01930	255
Intermediate Mixed Choir	01581/01582	255
Introduction to 3-D Art	01310	255
Introductions to the Fine Arts 1	01410	255
Jazz Band	01801/01802	255
Music Workshop	01510	255
Orchestra	01831/01832	255
Orchestral Winds and Percussion	01891/01892	256
Photography 1	01220	256
Photography 2	01230	256
Photography 3	01240	256
Sculpture 1	01140	256
Sculpture 2	01150	256
Sculpture 3	01160	256
String Ensemble	01901/01902	258
Symphonic/Marching Band	01781/01782	258
Technical Theatre	03080	258
Treble Choir	01541/01542	258
Vocal Ensemble 1	01631/01632	258
Vocal Ensemble 2	01641/01642	258

Mathematics 259

Algebra	04620	260
Algebra	04630	260
Algebra	04700	260
Algebra	04710	260
Algebra II	04740	260
Algebra II	04750	260
AP Calculus AB	04861/04862	260
AP Calculus BC	04961/04962	260
AP Statistics	04881/04882	260
Calculus 3	04981	260

College Algebra	64400	260
College Algebra-ASU	64411/64412	262
College Calculus 3	64981	262
College Differential Equations	64982	262
College Math: A Human Endeavor	64680	262
College Statistics	64450	262
Data Modeling	04201/04202	262
Differential Equations	04982	264
Geometry	04640	264
Geometry	04650	264
Geometry	04720	264
Geometry	04730	264
Honors Algebra II	04800	264
Honors Algebra II	04810	264
Honors Algebra II/Precalculus	04900	265
Honors Algebra II/Precalculus	04910	265
Honors Geometry	04820	265
Honors Geometry	04830	265
Honors Geometry	04920	265
Honors Geometry	04930	265
Honors Precalculus	04840	265
Honors Precalculus	04850	265
Honors Precalculus/Calculus A	04940	266
Honors Precalculus/Calculus A	04950	266
Intermediate Algebra	04660	266
Mathematical Analysis	04441/04442	266
Mathematical Applications	04561/04562	266
Mathematical Applications 101	04971/04972	266
Mathematics 1	04460	266
Mathematics 2	04470	266
Mathematics 3	04480	268
Mathematics 4	04490	268
Mathematics 50	04500	268
Mathematics 51	04510	268
Mathematics 52	04520	268
Mathematics 53	04530	268
Mathematics 54	04540	268
Mathematics 55	04550	268

Science 269

Advance Space Science	05330	270
Advanced Biology	05341/05342	270
Agricultural Biology	07981/07982	270
AP Biology	05411/05412	270
AP Biology (Lab)	05421/05422	271

AP Chemistry	05451/05452	271
AP Chemistry (Lab)	05461/05462	271
AP Environmental Science	05431/05432	271
AP Physics 1	05201/05202	271
AP Physics C	05441/05442	271
AP Physics C (Lab)	05501/05502	271
Biology	05021/05022	271
Biology 504	05041/05042	272
Chemistry	05111/05112	272
Chemistry 514	05141/05142	272
College Geospatial Technology	67920	272
College Introduction to Human Anatomy and Physiology	68340	272
College Introduction to Nanotechnology	66461/66462	272
Ecology	05260	273
Environmental Science	05250	273
Experiential Medical Physiology and Biochemistry	05000	273
Genetics	05180	273
Honors Agricultural Biology	57981/57982	273
Honors Biology	05031/05032	273
Honors Chemistry	05121/05122	273
Honors Medical Physiology and Biochemistry	05130	273
Honors Physical Science	05561/05562	274
Honors Physics in Healthcare	08160	274
Human Physiology	05280	274
Human Physiology 2	05360	274
Introduction to Solar System-ASU	65001	274
Oceanography	05270	274
Physical Science	05071/05072	274
Physics	05161/05162	274
Physics	05191/05192	276
Zoology	05310	276

Social Science 277

Advanced Legal Concepts	07910	278
American Law	07790	278
American Studies: U.S. History	07611/07612	278
AP Economics – Micro & Macro	07931/07932	278
AP European History	07671/07672	279
AP Human Geography	09351/09352	279
AP Psychology	07761/07762	279
AP U.S. Government and Politics	07871/07872	279
AP U.S. History	07661/07662	279
AP World History	07651/07652	279

Civics	59950	279
College Legal Research and Argument	69590	280
College Macroeconomics	67930	280
College Microeconomics	67940	280
College Middle Eastern Politics	67850	280
College World Religions	67630	280
Constitutional Law	07890	281
Consumer Education	59940	281
Criminal and Civil Law	07880	281
Economics	07830	281
Honors Human Geography	09420	281
Honors Latin American Studies	16990	282
Human Geography	09301/09302	282
Human Geography	09311/09312	282
Human Origins-ASU	67001	282
Introduction to Sociology-ASU	67300	282
Latin American Studies	06990	282
Political Science	07840	282
Psychology 1	07740	282
Psychology 2	07750	283
Social Science	07561/07562	283
Sociology	07700	283
Sociology 1	07710	283
Sociology 2	07720	283
Sociology of Service Learning – Fall	09330	283
Sociology of Service Learning-Spring	09340	283
U.S. History	07641/07642	284
U.S. History	09381/09382	284
World History	07581/07582	284
World History	09371/09372	284
World Religions 1	07810	284
World Religions 2	07820	284
World Studies: Social Science	07571/07572	284

World Languages 285

American Sign Language 1 & 2	60271/60272	286
AP Chinese Language and Culture	07301/07302	286
AP French Language	07101/07102	286
AP German	07201/07202	286
AP Italian Language and Culture	07261/07262	287
AP Japanese Language and Culture	07291/07292	287
AP Spanish Language	07431/07432	287
AP Spanish Literature	07371/07372	287
College Intermediate Spanish-EIU	67381/67382	287
French 1	07001/07002	287

French 2	07021/07022	287
German 1	07121/07122	287
German 2	07131/07132	288
Honors French 3	07061/07062	288
Honors French 4	07081/07082	288
Honors German 3	07161/07162	288
Honors German 4	07181/07182	288
Honors Italian 3	07031/07032	288
Honors Italian 4	07041/07042	288
Honors Japanese 3	07591/07592	289
Honors Japanese 4	07601/07602	289
Honors Mandarin Chinese 3	07241/07242	289
Honors Mandarin Chinese 4	07311/07312	289
Honors Spanish 3	07391/07392	289
Italian 1	07451/07452	289
Italian 2	07461/07462	289
Japanese 1	07501/07502	289
Japanese 2	07511/07512	290
Spanish 1	07331/07332	290
Spanish 2	07341/07342	290
Spanish for Heritage Learners 2	07361/07362	290

Career and Technical Education 291

Agriculture, Food, and Natural Resources 292		
AgriBusiness	08370	292
College Sustainable Urban Agriculture	68390	292
Food Science	08350	292
Introduction to Agriculture Pathway	08360	292
Veterinary Science	04370	292
Veterinary Science II	08380	293
Arts, Audiovisual Technology and Communication 293		
College Advanced Graphic Arts	66301/66302	293
College Production 1	69150	293
Digital Media Production	09531/09532	293
Graphic Arts Design	06440	293
Graphic Arts Technology 1	06250	293
Graphic Arts Technology 2	06260	294
Graphic Arts Technology 3	06270	294
Graphic Arts Technology 4	06280	294
Media Technology 1	06950	294
Media Technology 2	06960	294
Media Technology 3	06970	294
Media Technology 4	06980	294
Production & Editing 1	09540	295

Production & Editing II	09550	295
Finance and Business Services / Finance / Marketing		295
College Accounting	65551/65552	295
College Business	65641/65642	295
College Entrepreneurship 1	65681/65682	295
College Financial Accounting	65550	296
Entrepreneurship 2	05751/05752	296
Introduction to Business	05601/05602	296
Personal Finance	06210	296
Small Business Management	05740	296
Sports and Entertainment Marketing	05720	296
Hospitality and Tourism		298
Advanced Culinary Arts	57900	298
College Culinary Arts/ProStart 1	65711/65712	298
College Culinary Arts/ProStart 2	65801/65802	298
College ProStart Internship	60801/60802	298
Introduction to Culinary Arts	57800	298
Career Development		299
Career Development Academy	02891/02892	299
Career Education Internship 1	06611/06612	299
Career Exploration	06500	299
Career Skills Training	03371/03372	299
Cooperative Work Training 1	06511/06512	299
Cooperative Work Training Internship 1	06521/06522	299
Employee Development	03381/03382	300
Interrelated Career Education 1	06601/06602	300
Work Experience	03400	300
Work Orientation 1	09731/09732	300
Work Orientation 2	09741/09742	300
In School Work	09761/09762	300
Information Technology		300
Advanced Concepts in Coding and Development	10301/10302	300
Advanced Network Systems and Cybersecurity	10401/10402	300
AP Computer Science Principles/Mobile	10601/10602	302
AP Computer Science-A	09091/09092	302
College A+ Hardware	66740	302
College A+ Operating Systems Technology	66800	302
College Advanced Network Systems and Cybersecurity	60401/60402	302
College Computer Networking	66810	302
College Cybersecurity and Mobility	66241/66242	303
College IT Fundamentals	60740	303
Computer Programming, Mobile App, and Networking	09040/09050	303

Cybersecurity and Mobility	06241/06242	303
Health Sciences		304
College Nursing Assistant Training	68171/68172	304
Introduction to Healthcare 2	08190	304
Introduction to Healthcare Field 1	08181/08182	305
Medical Science Academy	09861/09862	305
Medical Terminology	08211/08212	305
Education and Training		305
College Applied Educational Psychology	78350	305
College Education in a Diverse Society	69970	305
College Inquiry into Teaching	69620	305
College Introduction to Early Childhood Education	60500	306
College Introduction to Education	60700	306
Foundation of Learning and Development	09610	306
Husky Inn	05841/05842	306
Introduction to Preschool	06700	307
Introduction to Teaching Methods	09620	307
Practicum in Early Childhood Education 3	05820	307
Practicum in Early Childhood Education 4	05830	307
Human Services		307
Cosmetology	06781/06782	307
Sociology of Marriage and Family	05940	307
Law, Public Safety, Corrections and Security		308
College Fire Behavior and Combustion	60140	308
College Introduction Fire Science	60130	308
College Introduction to Corrections	60120	308
College Introduction to Criminal Justice	60100	308
Micro Internship / Internship / Apprenticeship		308
Agriculture/Foods/Natural Science Micro Internship	49530	308
Arts and Communication Micro Internship	49540	308
District Micro-Internship	09500	309
Finance and Business Services Micro Internship	49550	309
Health and Science Technology Micro Internship	49560	309
Human and Public Service Micro Internship	49570	309
Information Technology Micro Internship	49580	309
Manufacturing and Engineering Technology Micro Internship	49590	309
Internship Program	09870	309
District Youth Apprenticeship	09441/09442	309
Architecture and Construction		310
Advanced Computer Aided Design for Architecture, Engineering and Construction	16450	310
College Practical Architectural Construction-PAC Year 1	66191/66192	310
Computer Aided Design for Architecture, Engineering and Construction	16410	310

Design 214 Practical Architecture	06121/06122	310
Geometry in Construction	04420	310
Honors Geometry in Construction	14420	310
Introduction to Practical Arts Construction	16190	310
Math and Technology	06401/06402	311
Manufacturing		312
Advanced Welding	10030	312
Beginning Welding	10020	312
College Advanced CNC Manufacturing	69641/69642	312
College Advanced Machine Technology	69631/69632	313
College Fashion Industry Career Practicum and Seminar	60260	313
College Fashion Merchandising	65860	313
College Introductory Electronics	60060	313
College Manufacturing Internship	66820	313
Fabrication Technology 1	02850	314
Fabrication Technology 2	02860	314
Fashion Design	05850	314
Fashion Construction	05870	314
Science, Engineering and Mathematics		314
PLTW- Aerospace Engineering	66941/66942	314
PLTW- Civil Engineering and Architecture	06901/06902	314
PLTW- Computerized Integrated Manufacturing	06891/06892	314
PLTW- Introduction to Engineering Design	06881/06882	315
PLTW- Principles of Engineering	06921/06922	315
PLTW-Digital Electronics	66911/66912	315
PLTW-Engineering Design and Development	06931/06932	315
Robotics 1	06801/06802	315
Robotics 2	06811/06812	315
Robotics 3	06821/06822	315
Robotics 4	06841/06842	315
Transportation, Distribution and Logistics		316
Automotive Systems	06051/06052	316
College Aircraft Drafting & Blueprint Reading	64840	316
College Automotive Engine Performance and Electrical System	66091/66092	316
College Aviation Fundamentals	66850	316
College Aviation Physics	66840	316
College Heating and Cooling Controls	60160	317
College Heating Principles	60150	317
College Industrial Control Systems	60070	317
College Private Pilot Ground 1	64820	317
College Private Pilot Ground 2	64830	317
College Refrigeration Fundamentals	60080	317
College Refrigeration Systems	60090	318

College Vocational Automotive	66071/66072	318
Diagnostic Testing and Repair	06061/06062	318
Personal Auto	06080	318
Power-On-Site Training	06791/06792	318

Health and Physical Education 319

Advanced Activities (Fall)	08750	320
Advanced Activities (Racquet Sports)	08770	320
Advanced Activities (Spring)	08760	320
Advanced Strength and Conditioning	08660	320
Advanced Swimming	08650	321
Beginning Strength and Conditioning	08440	321
College Advanced Strength and Conditioning	68660	321
College Basic Care and Prevention of Athletic Injuries	68810	321
Dance 1	08550	321
Dance 2	08560	321
Dance 3	08640	321
Exercise Physiology	08491/08492	321
Freshman Physical Education 1	08510	322
Freshman Physical Education 2	08520	322
Grace Gymnastics	08680	322
Health Education	08690	322
Junior Leader 1	08580	322
Junior Leader 2	08590	322
Lifestyle Fitness	08800	322
Modified Physical Education	08500	322
Orchestrations	08571/08572	322
Personal Training Certification	04391/04392	324
Physical Education	08530	324
Physical Education	08540	324
Power Gymnastics	08670	324
Senior Leader	08600	324
Sports Medicine 1	08840	324
Sports Medicine 2	08850	324
Yoga and Mindful Movement Practices	08740	324

Special Programs 325

Advanced Research and Composition	02910	326
Adventure Learning	06570	326
AP Research	02701/02702	326
AP Research-English	02711/02712	326
AP Seminar	02601/02602	327

AP Seminar-English	02611/02612	327
AVID 1	02390/02400	327
AVID 2	02410/02420	327
AVID 3	02430/02440	327
AVID 4	02450/02460	327
Life and Career Planning-70 hours	08980	327
Post-Secondary Pathway Exploration & Practicum	02720	328
Preparatory Study Skills	02250	328
Service Learning-70 Hours	06580	328
Strategies for Learning	08911/08912	328
Strategies for Learning 2	08921/08922	328
Strategies for Learning 3	08931/08932	328
Strategies for Learning 4	08941/08942	328

Naval Science 329

Naval Science 1	08451/08452	329
Naval Science 2	08461/0846	329
Naval Science 3	08471/08472	329
Naval Science 4	08481/08482	329

Driver Education 330

Driver Education Classroom	09650	330
Driver Education Lab	09660	330

Table of Contents: Academic Handbook

Helpful Internet Tools for Finding a Career Pathway	11	D214 School Information	19
Introduction and Definitions	12	College Counselors Contact Information	19
D214 Career Clusters and Pathways	13	Career Pathways	20
College and Career Pathway Endorsements	14	Course Descriptions	223
Dual Credit Courses	15	Academic Policies and Procedures	331

Helpful Internet Tools for Finding a Career Pathway

Students can set up their own **Career Cruising** and **Naviance** accounts. Please see your counselor or career advisor for more information.



Naviance is a college and career readiness platform that helps connect academic achievement to post-secondary goals. It also allows students to create a plan for their futures by helping them discover their individual strengths and learning styles and explore college and career options based on their results.

Naviance.com

Career Cruising

Career Cruising is an Internet-based career exploration and planning tool used by students to explore career and college options and develop a career plan. Features of the program include: Assessments, Career Profiles, Multimedia Interviews and College/University and Apprenticeship Information.

CareerCruising.com

■ Introduction and Definitions

District 214 uses the following *nationally recognized terms* to help guide students through the selection of coursework and to support their decision making in preparation for their post-secondary goals.

College and Career Pathway Endorsements: Endorsements are awarded on the high school diploma to validate the work of students in preparing for particular industry sectors. Endorsement requirements include: completion of a learning plan, career-focused coursework, work-based learning, and postsecondary readiness in reading and math.

Career Cluster: Refers to the groups of the 16 nationally recognized occupations and industries that have a set of foundational knowledge and skills in common.

Career Pathway: Multi-year program of academic and technical study that prepares students for a full range of post-secondary options within each career cluster. Career pathways provide a context for exploring career options at all levels of education. Career pathways link student learning to the knowledge and skills needed for future education and employment.

Within each District 214 *Program of Study* the following terms are used to describe coursework and opportunities that align with that career area.

Pathway Courses: Recommended sequence of courses that provide students opportunities to explore and develop skills within a specified career area.

Related Electives: Courses that provide students additional opportunities within the specified career area or opportunities to develop skills and knowledge in a closely related career area.

Work-based Learning Experiences: Extended educational opportunities in which students engage in authentic and relevant work aligned with a career pathway. These experiences allow students to participate in a professional work environment and assist with career skill development and decision-making. These opportunities may provide varied levels of support, depending upon students' individual needs.

Career Related Activities: Opportunities for student career exploration and/or career skill development that may include the involvement of industry partners. These opportunities are generally less formal and/or intensive than Work-based Learning Experiences in the areas of career exploration and/or career skill development.

Certifications: Credentials awarded to students by an independent third party verifying qualifications or competencies in a career skill area. Industry-recognized certifications are sought or accepted by employers as a recognized, preferred or required credentials for recruitment, screening, hiring, retention or advancement purposes of their employees.

College Majors: College majors are concentrations of educational study focused on a career area. College majors can lead to an associate, bachelor, master, or doctorate degree. In this document, a sample of majors related to each program of study is listed.

Careers: Careers are occupations that usually require special training or formal education. In this document, a sample of careers related to each program of study is listed.

■ D214 Career Clusters and Pathways

Finding the best way for students to learn and achieve success is of utmost importance to the State of Illinois and the nation as a whole. College and career success is critical to our national and state economy and has become a national priority.

The Career Clusters and related Career Pathways serve as an organizing tool for schools, small learning communities, academies and magnet schools to develop more effective programs of study and curriculum.

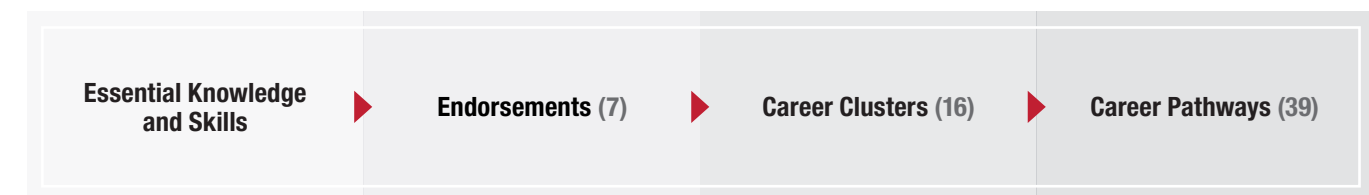
Essential Knowledge and Skills

The cluster level knowledge and skills set is built on a common core required for career success in the multiple occupations included in the cluster.

Career and Technical Education (CTE) has been central to this call for greater college completion and the credentials that CTE provides to both traditional and nontraditional student populations and has emerged as one of the most important elements in the completion agenda throughout the country.

The Sixteen Career Clusters

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Arts, Audio/Video Technology and Communications
- Business Management and Administration
- Education and Training
- Finance
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections and Security
- Manufacturing
- Marketing
- Science, Engineering and Mathematics
- Transportation, Distribution and Logistics



College and Career Pathway Endorsements

Agriculture, Food, and Natural Resources (AFNR)

Agriculture, Food & Natural Resources

- Food Science
- Plant & Animal Systems



Arts and Communication (A&C)

Arts, Audio/Video Technology and Communications

- Multimedia Communications
- Visual Arts: Graphic Arts
- Visual Arts: Studio Art
- Visual Arts: Photography
- Performance Arts: Acting & Theater
- Performance Arts: Band
- Performance Arts: Choir
- Performance Arts: Dance
- Performance Arts: Orchestra



Finance and Business Services (FBS)

Business Management & Administration

- Business Management & Administration

Finance

- Finance

Hospitality and Tourism

- Culinary Arts

Marketing

- Marketing



Health Sciences and Technology (HST)

Health Science

- Allied Health
- Nursing
- Pre-Medicine



Human and Public Services (HPS)

Education and Training

- Early Childhood Education
- Primary Education
- Secondary Education

Government & Public Administration

- Government & Public Administration
- International Relations

Human Services

- Counseling and Mental Health Services
- Exercise, Physiology and Kinesiology

Law, Public Safety, Corrections and Security

- Criminal Justice
- Emergency and Fire Management Services
- Law



Information Technology (IT)

Information Technology

- Information Technology and Network Systems
- Cybersecurity



Manufacturing, Engineering, Technology and Trades (METT)

Architecture and Construction

- Architecture
- Building Trades

Manufacturing

- Fashion
- Manufacturing

Science, Engineering and Mathematics

- Engineering
- Actuarial Science

Transportation, Distribution and Logistics

- Automotive Service
- Aviation
- Heating, Ventilation and Air Conditioning (HVAC)



Dual Credit Courses

EASTERN ILLINOIS UNIVERSITY DUAL CREDIT (awards in semester hours)

D214 Course	D214 Course Name	EIU Course	Hours	EIU Course Name	College/University Prerequisite
63890	College Speech Communication	CMN1310G	3	Introduction to Speech Communication	None
69150	College Production 1	CMN2500	3	Production I	None
60410	College Intro to Mass Communication	CMN2520	3	Introduction to Mass Communication	none
67930	College Macroeconomics	ECN2801G	3	Principles of Macroeconomics	None
67940	College Microeconomics	ECN2802G	3	Principles of Microeconomics	C or better in ECN2801G (67930)
69970	College Education in a Diverse Society	EDF2555G	3	Education in a Diverse Society: The Multilingual/Multicultural Classroom	None
60500	College Intro to Early Childhood Education	ELE2050	3	The Whole Child: Teaching and Learning in the Educational Environment	
63290	College Composition	ENG1001G	3	College Composition I: Critical Reading & Source-Based Writing	Minimum high school GPA of 3.0 or a minimum ACT-English score of 18 or SAT EBRW score of 430
61710	College Literature: Stories Matter	ENG1009	3	Stories Matter	C or better in ENG1001G
68660	College Advanced and Conditioning	KSR1600	1	Weight Training	None
68810	College Basic Care and Prevention of Athletic Injuries	KSR2135	3	Basic Care and Prevention of Athletic Injuries	None
64680	College Math: A Human Endeavor	MAT1160G	3	Mathematics: A Human Endeavor	Minimum high school GPA 3.0 or a minimum SAT EBRW-English score of 430.
64400	College Algebra	MAT1271	3	College Algebra	Math ACT of 20, or SAT of 520 or better; ALEKS score of 46 or better
64450	College Statistics	MAT2250G	4	Elementary Statistics	Math ACT of 20, or SAT of 520 or better; ALEKS score of 46 or better
64981	College Calculus 3	MAT2443	4	Calculus and Analytic Geometry III	AP score of 4 or 5 in AP Calculus (BC)
64982	College Differential Equations	MAT3501	3	Differential Equations I	C or better in MAT2443 (64981)
69590	College Legal Research and Argument	PLS2503	3	Legal Research and Argument	None
67630	College World Religions	RLS1200G	3	Introduction to Religious Studies	None
69620	College Inquiry in Teaching	SED2000	2	Inquiry Into Teaching	None
66100	College Summer Theatre: Performance	THA2281	3	Summer Theatre: Performance I	None
66200	College Summer Theatre: Tech	THA2282	3	Summer Theatre: Tech	None

EASTERN ILLINOIS UNIVERSITY DUAL CREDIT (continued) (awards in semester hours)

D214 Course	D214 Course Name	EIU Course	Hours	EIU Course Name	College/University Prerequisite
67381	College Intermediate Spanish	WLS2201G	4	Intermediate Spanish I	Must have successfully completed WLS 1102 or 1191 or two years of high Spanish language or a course articulated as equivalent to WLS 1102 or 1191
67382	College Intermediate Spanish	WLS2202G	4	Intermediate Spanish II	Must have successfully completed WLS 2201G or 2291G or three years of high school Spanish language or a course articulated as equivalent to WLS 2201G or 2291G

HARPER DUAL CREDIT (awards in semester hours)

D214 Course	D214 Course Name	Harper Course	Hours	Harper Course Name	College/University Prerequisite
68171/68172	College Nursing Assistant Training	CNA101	6	Nursing Assistant Training	16 year old Junior or Senior. Must have ability to lift, move, and transfer patients. Students must have health insurance, meet all health requirements, pass a criminal background check, and have eligibility to work in the United States. All above requirements will be reviewed in the mandatory attendance Information Session at the beginning of each semester. Prerequisite: ENG 100 or ENG 101 with a grade of C or better; or an ACT Reading score of 20 or higher, or SAT EBRW of 480 or better; or required placement test scores.
68280 or 68340	College Intro to Human Anatomy/ Physiology	BIO 135	4	Introduction to Human Anatomy and Physiology	None
60060	College Introductory Electronics	ELT110	4	Introductory Electronics	Completion of High school Algebra I and 10th grade reading level.
66911/66912	PLTW Digital Electronics	ELT203	4	Digital Electronics	ELT110 with a grade of C or better or completion of equivalent High School PLTW coursework.
60070	College Industrial Control Systems	ELT215	4	Industrial Control Systems	ELT 110 with a grade of C or better, or consent of instructor
65860	College Fashion Merchandising	FAS112	3	Fashion Basics	None
60260	College Fashion Industry Career Practicum & Seminar	FAS116	3	Fashion Industries Career Practicum	Concurrent employment of ten hours or more in a fashion related field.
60130	College Introduction to Fire Science	FIS100	3	Fundamentals of Fire Protection	"B" high school grade average recommended
60140	College Fire Behavior and Combustion	FIS121	3	Fire Behavior and Combustion	None
65801/65802	College Culinary Arts/ ProStart 2	FSM109	4	Introduction to Food Prep/ Production	None
65801/65802	College Culinary Arts/ ProStart 2	FSM111	3	Introduction to the Hospitality Industry	None

HARPER DUAL CREDIT (continued) (awards in semester hours)

D214 Course	D214 Course Name	Harper Course	Hours	Harper Course Name	College/University Prerequisite
65711/65712	College Culinary Arts/ProStart 1	FSM114	2	Food Standards and Sanitation	None
66302	College Advanced Graphic Arts	GRA103	3	Digital Imaging I	None
66301	College Advanced Graphic Arts	GRA112	3	Digital Illustration I	None
60080	College Refrigeration Fundamentals	HVA101	3	Refrigeration Fundamentals	None
60090	College Refrigeration Systems	HVA102	3	Refrigeration Systems	HVA 101 with a grade of C or better.
60150	College Heating Principles	HVA103	3	Heating Principles	None
60160	College Heating and Cooling Controls	HVA105	3	Heating and Cooling Controls	None
60100	College Intro to Criminal Justice	LEJ101	3	Intro to Criminal Justice	None
60120	College Introduction to Corrections	LEJ104	3	Corrections	None
69631	College Advanced Machine Technology	MFT102	4	Introduction to Manufacturing and Safety	None
69641	College Advanced CNC Machining	MFT104	2	Quality and Measurement	Prior or concurrent enrollment in MFT102 with a grade of C or better.
69632	College Advanced Machine Technology	MFT105	3	Machining Processes I	None
69642	College Advanced CNC Manufacturing	MFT120	3	Machining Processes II	"MFT105 with grade of C or better."
60740	College IT Fundamentals	NET105	3	IT Fundamentals	None
66740	College A+ Hardware	NET111	3	A+ Hardware	NET 105 with a grade of C or better or concurrent enrollment
66800	College A+ Operating Systems Technology	NET112	3	A+ Operating Systems Technologies	NET 105 with a grade of C or better or concurrent enrollment
66810	College Computer Networking	NET121	3	Computer Networking	NET 105 with a grade of C or better
67850	College Middle Eastern Politics	PSC260	3	Middle Eastern Politics	None
60271	College American Sign Language 1	SGN101	4	American Sign Language	High school seniors only. Students must have B grade average or better in 3 years of high school English.
60272	College American Sign Language 2	SGN102	4	American Sign Language II	SGN101 with a grade of C or better.

NATIONAL LOUIS UNIVERSITY DUAL CREDIT (awards in quarter hours)

D214 Course	D214 Course Name	NLU Course	Hours	NLU Course Name	College/University Prerequisite
65551/65552	College Accounting	ACC201	5	Principles of Financial Accounting	None
65550	College Financial Accounting	ACC201	5	Principles of Financial Accounting	None
65560	College Managerial Accounting	ACC202	5	Principles of Managerial Accounting	None

NATIONAL LOUIS UNIVERSITY DUAL CREDIT (continued) (awards in quarter hours)

D214 Course	D214 Course Name	NLU Course	Hours	NLU Course Name	College/University Prerequisite
65641/65642	College Business	BUS101	5	Principles of Business	None
60500	College Introduction to Early Childhood Education	ECE220	5	Child, Family, and Community	None
78350	College Applied Educational Psych	EDU200	5	Applied Educational Psychology	None
60700	College Introduction to Education	EDU210	5	Educational Philosophy: A Historical Account	None
65681/65682	College Entrepreneurship 1	ENT295	5	Introduction to Entrepreneurship	None

TRITON DUAL CREDIT (awards in semester hours)

D214 Course	D214 Course Name	Triton Course	Hours	Triton Course Name	College/University Prerequisite
66071/66072	College Vocational Auto	AUT112	3	Introduction to Automotive Technology	To earn dual credit must complete sequence in order.
66191	College Practical Architectural Construction- PAC	COT106	3	Carpentry: Rough Carpentry	None
66192	College Practical Architectural Construction- PAC	COT206	3	Carpentry: Finished Carpentry	None

LEWIS UNIVERSITY DUAL CREDIT (awards in semester hours)

D214 Course	D214 Course Name	Lewis Course	Hours	Lewis Course Name	College/University Prerequisite
66941/66942	PLTW - Aerospace Engineering	AVMT10200	1	Introduction to Aviation	GPA 2.5 or higher; College Ready
66850	College Aviation Fundamentals	AVMT10600	4	Aviation Fundamentals	GPA 2.5 or higher; College Ready
66840	College Aviation Physics	AVMT20100	4	Aviation Physics 1	Math Placement
64820	College Private Ground 1	AVTR13000	3	Private Ground 1	GPA 2.5 or higher; college ready
64830	College Private Ground 2	AVTR13100	3	Private Ground 2	AVTR 13000

MORAIN VALLEY COMMUNITY COLLEGE DUAL CREDIT (awards in semester hours)

D214 Course	D214 Course Name	MVCC Course	Hours	MVCC Course Name	College/University Prerequisite
66241	College Cybersecurity and Mobility	LAN101	1 / 1	Orientation to IT Professions	None
66241	College Cybersecurity and Mobility	LAN103	1 / 1	Security Awareness	None
60402	IT Security Essentials - Security +	LAN153	3	IT Security Essentials - Security+	LAN-122 or consent of instructor

COLLEGE OF DUPAGE (awards in quarter hours)

D214 Course	D214 Course Name	NLU Course	Hours	NLU Course Name	College/University Prerequisite
68390	College Sustainable Urban Agriculture	HORT2300	3	Introduction to Sustainable Urban Agriculture	None

■ D214 School Information

High School District 214

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7600
www.d214.org

Newcomer Center

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7937
nc.d214.org

Vanguard School

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7870
vanguard.d214.org

Buffalo Grove High School

1100 West Dundee Road
Buffalo Grove, IL 60089
847-718-4000
bghs.d214.org

Prospect High School

801 West Kensington Road
Mount Prospect, IL 60056
847-718-5200
phs.d214.org

Wheeling High School

900 South Elmhurst Road
Wheeling, IL 60090
847-718-7000
whs.d214.org

Elk Grove High School

500 West Elk Grove Boulevard
Elk Grove Village, IL 60007
847-718-4400
eghs.d214.org

Rolling Meadows High School

2901 West Central Road
Rolling Meadows, IL 60008
847-718-5600
rmhs.d214.org

John Hersey High School

1900 East Thomas Street
Arlington Heights, IL 60004
847-718-4800
jhhs.d214.org

The Academy at Forest View

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7772
theacademy.d214.org

■ Post Secondary Counselors Contact Information

Paul Genovese

Buffalo Grove High School
847-718-4067
paul.genovese@d214.org

Christopher Chiakulas

John Hersey High School
847-718-4846
christopher.chiakulas@d214.org

Kara Fisher

Rolling Meadows High School
847-718-5660
kara.fisher@d214.org

Anthony Miotic

Elk Grove High School
847-718-4441
anthony.miotic@d214.org

Diane Bourn

Prospect High School
847-718-5279
diane.bourn@d214.org

Joanne Amador-Zapata

Wheeling High School
847-718-4045
joanne.amador@d214.org

Career Pathways

2022-2023 HIGH SCHOOL DISTRICT 214

■ Table of Contents: Endorsements, Career Clusters, and Career Pathways

Agriculture, Food and Natural Resources (AFNR)	22	Human and Public Services (HPS)	116
Agriculture, Food and Natural Resources	23	Education and Training	117
Food Science	25	Early Childhood Education	119
Plant and Animal Systems	29	Primary Education	123
		Secondary Education	127
Arts and Communication (A&C)	34	Government and Public Administration	131
Arts, Audio/Video Technology and Communications	35	International Relations	133
Multimedia Communications	37	Government and Public Administration	137
Visual Arts: Graphic Arts	41	Human Services	141
Visual Arts: Studio Art	45	Counseling and Mental Health Services	143
Visual Arts: Photography	49	Exercise, Physiology and Kinesiology	147
Performance Arts: Acting and Theater	53	Law, Public Safety, Corrections and Security	151
Performance Arts: Band	57	Criminal Justice	153
Performance Arts: Choir	61	Emergency and Fire Management Services	157
Performance Arts: Dance	65	Law	161
Performance Arts: Orchestra	69		
		Information Technology (IT)	166
Finance and Business Services (FBS)	74	Information Technology	167
Business Management and Administration	75	Information Technology and Network Systems	169
Business Management and Administration	77	Cybersecurity	173
Finance	81	Manufacturing, Engineering, Technology and Trades (METT)	178
Finance	83	Architecture and Construction	179
Hospitality and Tourism	87	Architecture	181
Culinary Arts	89	Building Trades	185
Marketing	93	Manufacturing	189
Marketing	95	Fashion	191
		Manufacturing	195
Health Sciences and Technology (HST)	100	Science, Engineering and Mathematics	199
Health Science	101	Engineering	201
Allied Health	103	Actuarial Science	205
Nursing	107	Transportation, Distribution and Logistics	209
Pre-Medicine	111	Automotive Service	211
		Aviation	215
		Heating, Ventilation and Air Conditioning (HVAC)	219

(AFNR)

Agriculture, Food and Natural Resources



Agriculture, Food and Natural Resources

Food Science	25
Plant and Animal Systems	29



Career Pathways

Agriculture, Food and Natural Resources

Agriculture, Food and Natural Resources (AFNR)

Agriculture, Food and Natural Resources

This career cluster offers students opportunities to explore environmental areas, agriculture and food sciences, farm management, veterinary services, and agricultural engineering, and heavy equipment maintenance, among others. These pathways prepare students for postsecondary education or the workplace through core classes, mentorships, practical work experience and certifications.

Pathways

Food Science	25
Plant and Animal Systems	29



Kaeleigh Wilson

Student Spotlight

During her freshman year at Rolling Meadows High School, Kaeleigh Wilson attended a seminar on new classes and discovered District 214's Agriculture, Food and Natural Resources career cluster. The idea of studying agriculture hit home.

By her junior at Rolling Meadows High School, Kaeleigh was taking courses that would help her decide whether to pursue a career in environmental or agricultural engineering. So far, she's been enjoying classes that support both fields, such as Food Science, Veterinary Science and Environmental Science.

"Environmental engineering is more about helping the planet," she says. "With agricultural engineering, you're basically the person who helps solve problems for farmers."

After high school, Kaeleigh plans to continue her studies at a state university with a strong agricultural program. Even though she has grown up in the suburbs, she says she wants a career that will allow her to live in a small town or rural setting—something her pathway will support.

“The classes I’m taking are helping me to decide exactly what I want to do as a career.” - Kaeleigh Wilson



Agriculture

Food Science

Students interested in becoming agricultural and food science technicians, chemical technicians, farm and ranch managers, food science technicians or pest control workers can gain experience in this pathway through classes and hands-on work-based experiences. In addition, high school certification for Food Handler and the National Restaurant Association ProStart Certificate of Achievement are offered.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Food Science

Intro to Culinary Arts/
Advanced Culinary Arts

Food Science

College Culinary
Arts/Prostart 1 (DC)

College Culinary/
Prostart 2 (DC)

AP Chemistry

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Statistics
- AP Biology
- AP Environmental Science
- College Entrepreneurship (DC)
- College Statistics (DC)

Career Related Activities for the Food Science pathway

- Athletics
- Bass Fishing Club
- District Career Days
- District Career Nights
- District Career Treks
- Environmental Club
- Future Farmers of America
- Skills USA

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Food Science

College Majors

- Agricultural and Food Products Processing
- Agricultural Business and Management
- Agricultural Business Technology
- Agricultural/Farm Supplies Retailing and Wholesaling
- Food Science
- Food Technology and Processing

Certifications

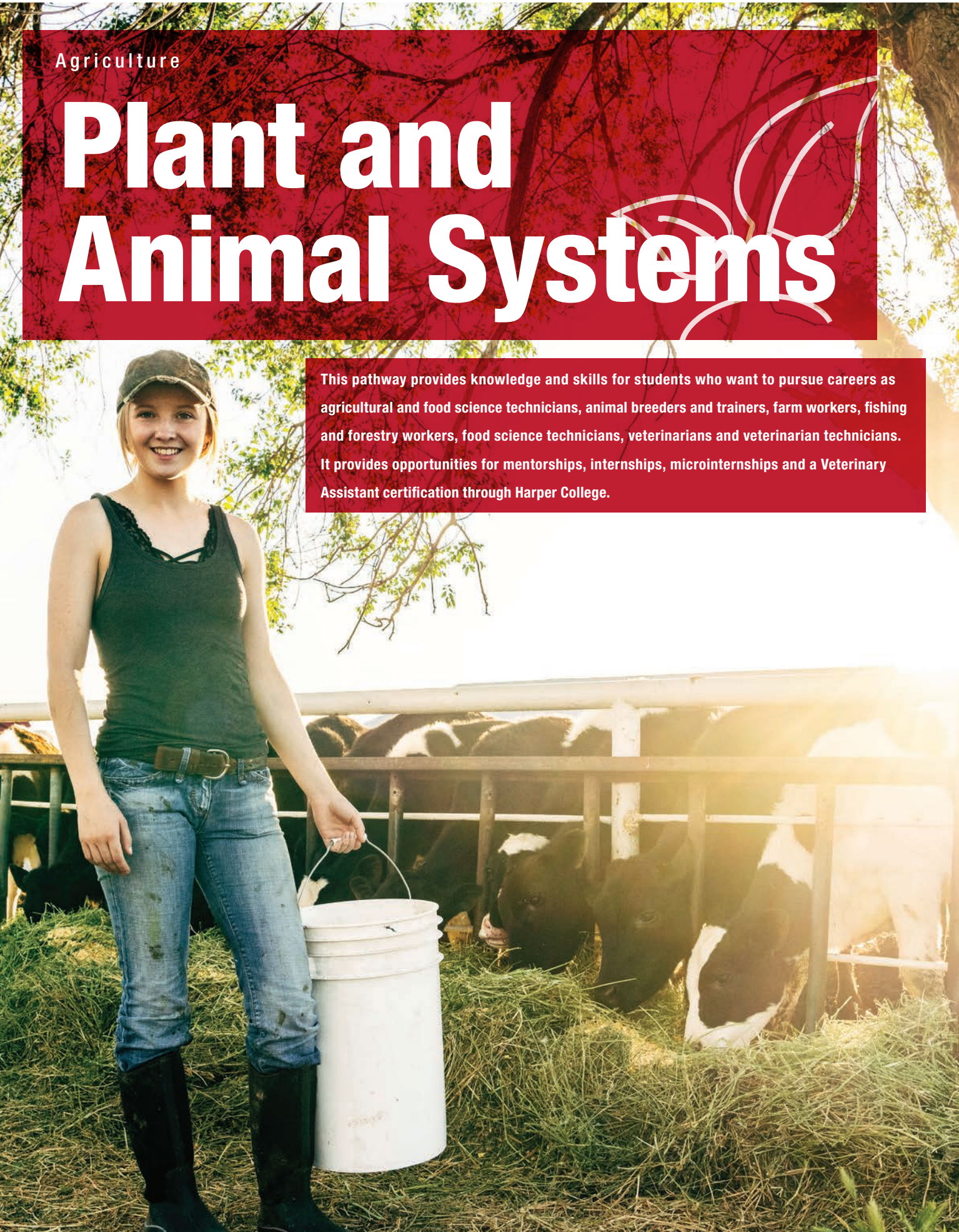
- Food Handler
- National Restaurant Association ProStart
- Certificate of Achievement

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- ProStart

Future Careers

- Agricultural and Food Science Technician
- Agricultural Technician
- Chemical Technician
- Farm and Ranch Manager
- Food Science Technicians or Technologist
- Pest Control Worker



Agriculture

Plant and Animal Systems

This pathway provides knowledge and skills for students who want to pursue careers as agricultural and food science technicians, animal breeders and trainers, farm workers, fishing and forestry workers, food science technicians, veterinarians and veterinarian technicians. It provides opportunities for mentorships, internships, microinternships and a Veterinary Assistant certification through Harper College.

Plant and Animal Systems

9 ▶ 10 ▶ 11 ▶ 12 ▶

Plant and Animal Systems

Agricultural Biology

Food Science

Veterinary Science

Veterinary Science II

Agribusiness

AP Environmental Science

College Sustainable Urban Agriculture

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Biology
- AP Chemistry
- AP Economics
- AP Statistics
- Zoology

Career Related Activities for the Plant and Animal Systems pathway

- Athletics
- Bass Fishing Club
- District Career Days
- District Career Nights: District Career Treks
- Environmental Club
- Future Farmers of America
- Skills USA

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Plant and Animal Systems

■ College Majors

- Agricultural and Domestic Animal Services
- Animal Sciences
- Botany
- Dairy Science
- Equestrian Studies
- Environmental Science
- Livestock Management
- Poultry Science

■ Certifications

- Veterinary Assistant

■ Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship

■ Future Careers

- Agricultural and Food Science Technician
- Agricultural Technician
- Animal Breeder
- Animal Caretaker
- Animal Scientist
- Animal Trainer
- Aquacultural Animals
- Farming, Fishing and Forestry Worker
- Food Science Technician
- Veterinarian
- Veterinarian Technician

(A&C)

Arts and Communication



Arts, Audio/Video Technology and Communications

Multimedia Communications	37
Visual Arts: Graphic Arts	41
Visual Arts: Studio Art	45
Visual Arts: Photography	49
Performance Arts: Acting and Theater	53
Performance Arts: Band	57
Performance Arts: Choir	61
Performance Arts: Dance	65
Performance Arts: Orchestra	69



Career Pathways

Arts, Audio/Video Technology and Communications

Arts, Audio/Video Technology and Communications

Students interested in designing, producing, performing, writing, journalism, entertainment, multimedia creation and visual arts can pursue pathways in this career cluster. In addition to pathway courses, the cluster offers a wide variety of work-based learning experiences, certifications, college-level coursework and extracurricular opportunities.

Pathways

Multimedia Communications	37	Performance Arts: Band	57
Visual Arts: Graphic Arts	41	Performance Arts: Choir	61
Visual Arts: Studio Art	45	Performance Arts: Dance	65
Visual Arts: Photography	49	Performance Arts: Orchestra	69
Performance Arts: Acting and Theater	53		

Student Spotlight

Sheldon Adams decided early on to pursue a career in architecture. But during his freshman year at Elk Grove High School, he realized it wasn't for him. His counselor suggested he focus on meeting some requirements for graduation, and that's when he discovered the Choir Pathway—and his passion.

Over the rest of his high school career, Sheldon immersed himself in choir courses, learning various aspects of singing, music theory and choral leadership by starting with the fundamentals and then

digging deeper. He was also involved in choir, various ensemble groups and the annual school musical for three years.

Today, Sheldon is studying Music Open Studies at the University of Illinois at Urbana-Champaign and plans to be a vocal teacher and performer.

He recommends students take advantage of the Career Pathways program.

“Take the courses you're interested in. Go past the base level [and] get into the nitty-gritty because **it's going to pay off when you're in college**. The main thing is truly investing in yourself and making each moment count.” - Sheldon Adams



Arts, Audio/Video Technology and Communications

Multimedia Communications

This newly designed pathway is for students who want to pursue careers as broadcast news analysts, film and video editors, public relations specialists, radio and TV announcers, reporters and correspondents, writers and camera operators. In addition to pathway courses and dual credit classes, students can gain practical experience through student newspapers, yearbook and broadcasts, as well as internships.

Multimedia Communications

9 10 11 12

Multimedia Communications

	Introduction to Multimedia Communications Advanced Multimedia Communications	Multimedia Production Advanced Multimedia Production	Multimedia Storytelling Advanced Multimedia Storytelling	Multimedia Practicum Advanced Multimedia Practicum College Intro to Mass Communication Multimedia Academy
--	---	---	---	--

High School District 214 Graduation Requirements

English	English English English English Course Descriptions Section - Page 231	4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259	3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277	2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269	2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291	1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247	0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.	0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.	⊛

Post Secondary

Career Related Electives

- AP Literature
- Creative Writing
- Acting
- Photography
- Media Analysis
- Yearbook
- AP Psychology
- AP Economics
- AP Statistics

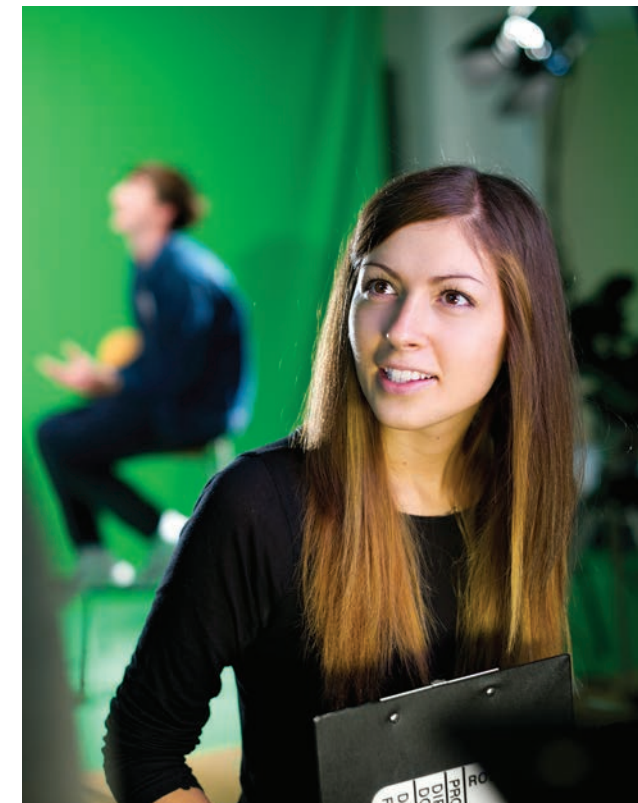
Career Related Activities for the Multimedia Communications pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Poetry
- Writer Groups
- School Newspaper
- Speech Team
- Yearbook

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).

Multimedia Communications

College Majors

- Broadcast Journalism
- Communication Studies
- Speech Communication and Rhetoric
- Digital Communication and Media
- Multimedia
- Photojournalism
- Radio and Television Broadcasting Technician
- Recording Arts Technician

Certifications

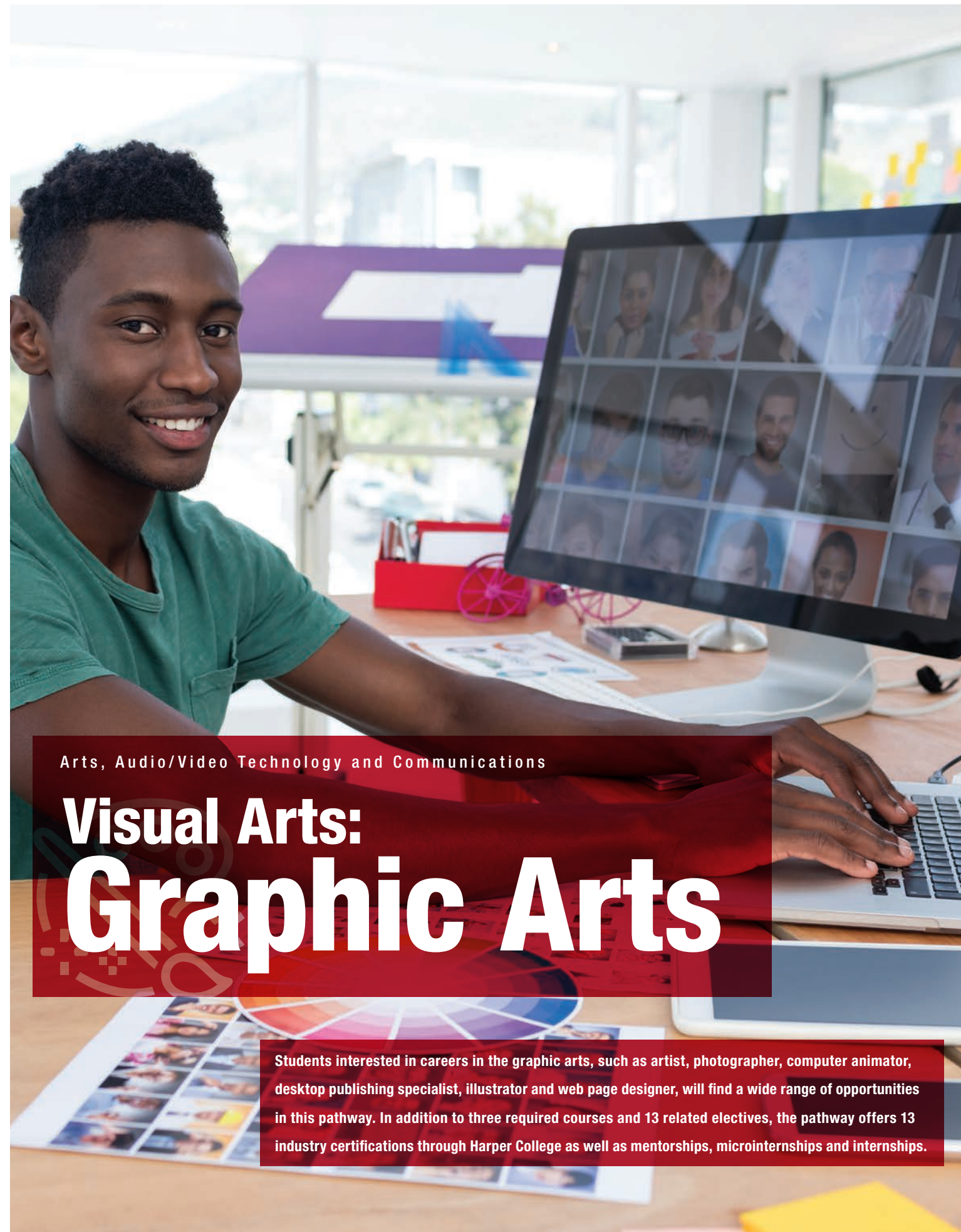
- Harper: Media Writing and Design
- Online Communications

Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship
- Studio 214

Future Careers

- Audio and Video Equipment Technician
- Broadcast News Analyst
- Broadcast Technician
- Camera Operator
- Film and Video Editor
- Media and Communication Worker
- Producer and Director
- Public Relations Specialist
- Radio and Television Announcer
- Reporters and Correspondent
- Sound Engineering Technician
- Writer



Arts, Audio/Video Technology and Communications

Visual Arts: Graphic Arts

Students interested in careers in the graphic arts, such as artist, photographer, computer animator, desktop publishing specialist, illustrator and web page designer, will find a wide range of opportunities in this pathway. In addition to three required courses and 13 related electives, the pathway offers 13 industry certifications through Harper College as well as mentorships, microinternships and internships.

Visual Arts: Graphic Arts

9 ▶ 10 ▶ 11 ▶ 12 ▶

Graphic Arts

Graphic Art Design

College Advanced Graphic Arts

AP Studio Art

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.

✳

Post Secondary

Career Related Electives

- Art 1
- College Entrepreneurship (DC)
- Computer Programming, Mobile App and Networking
- Journalism 1-8
- Photography
- Small Business Management
- Yearbook

Career Related Activities for the Graphic Arts pathway

- Art Club
- Art Gallery
- Graphic Arts Club
- Harper Graphic Communication Show
- District Graphic Arts Competition
- District Art Show
- Harper Art Show
- Visual Arts Day
- District Career Days
- District Career Nights
- District Career Treks

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).

Visual Arts: Graphic Arts

College Majors

- Advertising Art Direction
- Art Education
- Fine Arts
- Graphic Communication
- Graphic Design
- Publication Design
- Technical Education
- Web Design

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching
- Small Business Management

Future Careers

- Art Director
- Artist
- Photographer: Digital Still, Video, Film
- Computer Animator
- Curator and Gallery Manager
- Desktop Publishing Specialist
- Graphic Designer
- Graphics Equipment Operator
- Illustrator
- Printing Equipment Operator
- Web Page Designer



Arts, Audio/Video Technology and Communications

Visual Arts: Studio Art

This pathway is set up for students who want to become art directors, art teachers, art therapists, commercial artists and illustrators, interior designers, photographers and designers, from fashion to jewelry and textiles. Students can explore their options through eight pathway classes, up to 13 related electives, extracurricular activities and work-based learning experiences.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Studio Art

Art 1 Introduction to 3-D Art	2-D Art Courses 3-D Art Courses	Advanced 2-D Art Advanced 3-D Art	AP Studio Art
----------------------------------	------------------------------------	--------------------------------------	---------------

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#) **4.0** credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#) **3.0** credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#) **2.0** credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#) **2.0** credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#) **1.0** credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#) **0.5** credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#). **0.25** credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education. *****

Post Secondary

Career Related Electives

- College Advanced Graphic Arts (DC)
- College Entrepreneurship (DC)
- Fashion Design
- College Fashion Construction (DC)
- Graphic Arts Design
- Graphic Arts Technology
- Photography
- Small Business Management

Career Related Activities for the Studio Art pathway

- Art Club
- Art Gallery
- Art Unlimited
- Athletics
- District Art Show
- District Career Days
- District Career Nights
- District Career Treks
- Harper Art Show
- Theater Set Design
- Visual Arts Day

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).

Visual Arts: Studio Art

College Majors

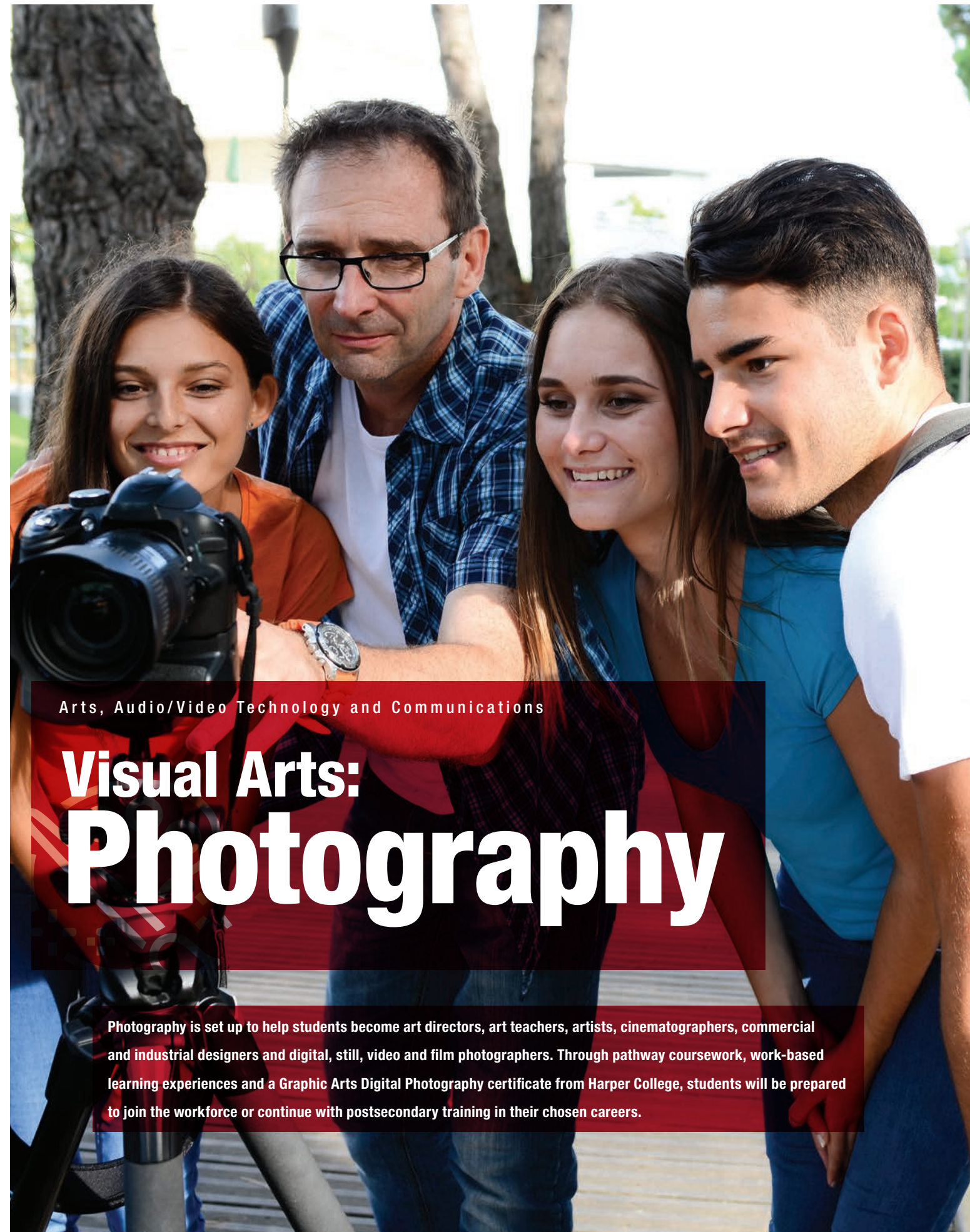
Advertising
Arts Administration
Art Education
Art History
Fine Arts
Illustration
Interior Design
Visual Arts

Work-Based Learning Experiences

Entrepreneurship
Industry Mentorship
Internship
Micro Internship
College Inquiry into Teaching
Small Business Management

Future Careers

Art Director
Art Teacher
Art Therapist
Commercial Artist, Illustrator and Artist
Photographer: Digital, Still, Video, Film
Curator and Gallery Manager
Fashion Designer
Fashion Illustrator
Interior Designer: Commercial
Residential
Furnishings Coordinator
Jewelry Designer
Textile Designer



Arts, Audio/Video Technology and Communications

Visual Arts: Photography

Photography is set up to help students become art directors, art teachers, artists, cinematographers, commercial and industrial designers and digital, still, video and film photographers. Through pathway coursework, work-based learning experiences and a Graphic Arts Digital Photography certificate from Harper College, students will be prepared to join the workforce or continue with postsecondary training in their chosen careers.

Visual Arts: Photography

9 ▶ 10 ▶ 11 ▶ 12 ▶

Photography

Photography 1 | Photography 2 | Photography 3 | Advanced Photography Studio | AP Studio Art

High School District 214 Graduation Requirements

English

English | English | English | English **4.0** credit units
 Course Descriptions Section - [Page 231](#)

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended) **3.0** credit units
 Including one unit of Algebra I and one unit of Geometry.
 Course Descriptions Section - [Page 259](#)

Social Science

Social Science | Social Science | Social Science (Recommended) **2.0** credit units
 Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
 Course Descriptions Section - [Page 277](#)

Science

Science | Science | Science (Recommended) **2.0** credit units
 Course Descriptions Section - [Page 269](#)

Career & Technical Education

Career and Technical Education **1.0** credit unit
 Course Descriptions Section - [Page 291](#)

Fine Arts

Fine Arts **0.5** credit unit
 Course Descriptions Section - [Page 247](#)

Consumer Education

Consumer Education **0.25** credit unit
 Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

Physical Education

Physical Education | Health | Physical Education | Physical Education *****
 A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
 Course Descriptions Section - [Page 319](#)
 Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.

Post Secondary

Career Related Electives

- Advanced 2-D Art Studio
- College Advanced Graphic Arts (DC)
- College Entrepreneurship (DC)
- Graphic Arts Design
- Graphic Arts Technology
- Journalism 1-8
- Small Business Management
- Yearbook

Career Related Activities for the Photography pathway

- Art Club
- Art Gallery
- Arts Unlimited
- Athletics
- District Art Show
- Harper Art Show
- Visual Arts Days
- Harper Art Show
- Visual Arts Day
- Theater Set Design
- District Career Days
- District Career Nights
- District Career Treks

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).

Visual Arts: Photography

College Majors

- Art
- Art Education
- Film and Photo
- Fine Arts
- Photography

Certifications

- Graphic Arts
- Digital Photography

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Small Business Management
- College Inquiry into Teaching

Future Careers

- Art Director
- Art Teacher
- Artist
- Cinematographer
- Commercial and Industrial Designer
- Photographer: Digital, Still, Video, Film



Arts, Audio/Video Technology and Communications

Performance Arts: Acting and Theater

This pathway offers education and skills training for students interested in theater careers, including artistic director, costume designer, lighting designer, set designer, sound engineer, stage performer and theater teacher. Opportunities include mentorships, internships and microinternships and a wide range of career-related extracurricular activities, such as musicals and the Illinois State Theater Festival.

Performance Arts: Acting and Theater

9 ▶ 10 ▶ 11 ▶ 12 ▶

Acting	Acting 1/2	Acting 3/4	Advanced Theater Workshop	Advanced Theater Workshop
Technical Theatre	Technical Theater 1 Fabrication Technology 1	Technical Theater 2 Fabrication Technology 2	Advanced Theater Workshop	Advanced Theater Workshop
High School District 214 Graduation Requirements				
English	English English English English Course Descriptions Section - Page 231			4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259			3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277			2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269			2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291			1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247			0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.			0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.			★

Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- College Fashion Construction (DC)
- College Summer Theatre: Performance (DC)
- College Summer Theatre: Tech (DC)
- Dance
- Fashion Design
- Fine Arts Workshop
- Vocal Music

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Career Related Activities for the Acting and Theater pathway

- Assistant Director
- Athletics
- Costume Crew
- Creative Writing
- District Improv Teams
- District
- School One-Acts (Director, Performer, or Designer)
- District Summer Musical (Tech and Performance)
- Drama Day
- Illinois High School theater Festival
- Musical Productions
- Play Productions
- District Career Days
- District Career Nights
- District Career Treks
- Poetry
- Writer Groups
- Speech Team
- Stage Managing Productions
- Tech Building Crew
- Tech Running Crew
- Tech Workshops
- School Newspaper
- Speech Team
- Yearbook
- Variety Show (Performer, Tech, or Student Director)
- Visual Arts Day



Performance Arts: Acting and Theater

College Majors

- Acting
- Musical Theater
- Speech Communication
- Theater
- Theater Design
- Theater Directing
- Theater Education
- Technical Theater

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

Future Careers

- Artistic Director
- Arts Administrator
- Costume
- Costume Designer
- Director
- Lighting Designer
- Set Designer
- Sound Engineer
- Stage Manager
- State Performer
- Tech Education
- Technician
- Theater Teacher



Arts, Audio/Video Technology and Communications

Performance Arts: Band

The band pathway is set up to help students become composers, conductors, musicians, performers, sound designers, music instructors and performing arts educators. Pathway coursework is supported with elective classes, master classes, work-based learning experiences and a wide range of career-related activities such as District 214 honors band, jazz combo, marching and pep bands and summer music camps.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Band

Concert/Symphonic Band/
Jazz Band

Concert/Symphonic Band/
Jazz Band

Concert/Symphonic Band/
Jazz Band

Harmony and Arranging 1

Concert/Symphonic Band/
Jazz Band

AP Music Theory

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Fine Arts Workshop
- Guitar
- Music Workshop
- Orchestra/Concert Orchestra or Beginning Strings

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Career Related Activities for the Band pathway

- Athletics
- Color Guard
- Community Honor Ensembles (SYSO, CYSO, MYA, etc.)
- Conducting, Directing and Composing
- Contests and Festivals
- District Career Days
- District Career Nights
- District Career Treks
- District Honors Orchestra
- District 214 Honors Band
- Illinois Music Educators Association
- District/State/Festival Soloist
- Future Music Educators
- Jazz Combo
- Marching Band
- Pep Band
- Pit Orchestra
- Private Lessons
- Show Choir Combo
- Small Ensembles
- Summer Music Camps
- Tri-M, Solo and Ensemble
- Variety Show



Performance Arts: Band

College Majors

- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Theory
- Music Therapy

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

Future Careers

- Composer
- Conductor
- Musician
- Music Instructor
- Musician
- Music Instructor
- Music Management
- Performer
- Performing Arts Educator
- Sound Designer



Arts, Audio/Video Technology and Communications

Performance Arts: Choir

Students interested in becoming composers, conductors, musicians, performers, sound designers and music and performing arts educators can gain extensive theory and practical experience through this pathway. It offers core courses and related electives, career-related activities, work-based learning experiences and master classes.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Choir

Beginning Mixed Choir/
Treble Choir/Advanced
Mixed Choir

Beginning Mixed Choir/
Treble Choir/Advanced
Mixed Choir

Beginning Mixed Choir/
Treble Choir/Advanced
Mixed Choir

Harmony and Arranging 1

Beginning Mixed Choir/
Treble Choir/Advanced
Mixed Choir

AP Music Theory

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Acting
- College Entrepreneurship (DC)
- Fine Arts Workshop
- Guitar
- Jazz Band
- Music Workshop
- Vocal Ensemble

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Career Related Activities for the Choir pathway

- Athletics
- Conducting, Directing and Composing
- Contests and Festivals
- District Career Days
- District Career Nights
- District Career Treks
- District Honors Orchestra
- District 214 Honors Choir
- Extracurricular Choirs
- Illinois Music Educators Association District
- State Festival Soloist
- Future Music Educators
- Jazz Band Vocalist
- Private Lessons
- Small Ensembles
- Summer Music Camps
- Tri-M, Solo and Ensemble
- Variety Show



Performance Arts: Choir

College Majors

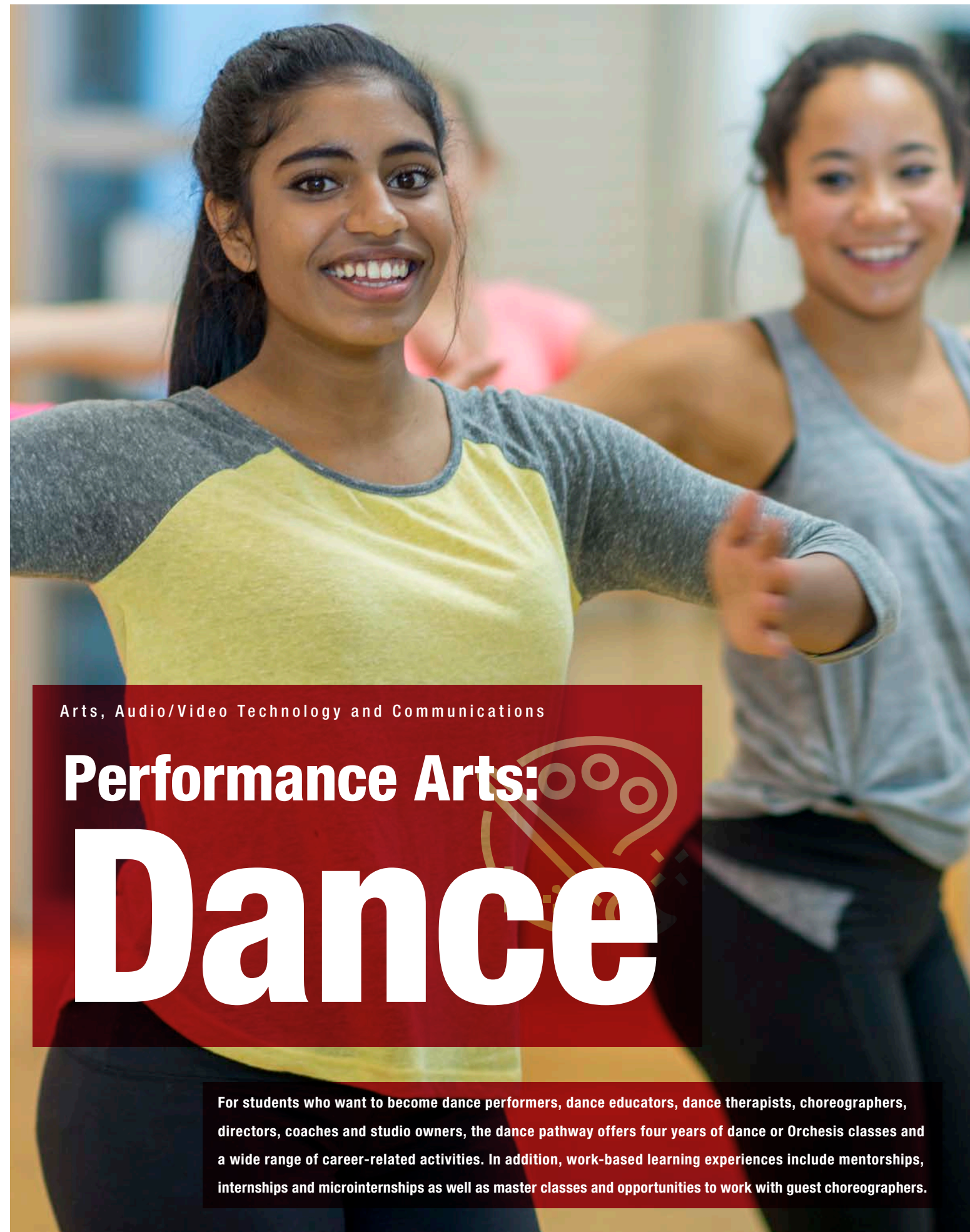
- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Therapy
- Music Theory

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

Future Careers

- Composer
- Conductor
- Musician
- Music Instructor
- Music Management
- Performer
- Performing Arts Educator
- Sound Designer



Arts, Audio/Video Technology and Communications

Performance Arts: Dance

For students who want to become dance performers, dance educators, dance therapists, choreographers, directors, coaches and studio owners, the dance pathway offers four years of dance or Orchestras classes and a wide range of career-related activities. In addition, work-based learning experiences include mentorships, internships and microinternships as well as master classes and opportunities to work with guest choreographers.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Dance

Orchasis/Dance 1 Orchasis/Dance 2 Orchasis/Dance 3 Orchasis

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

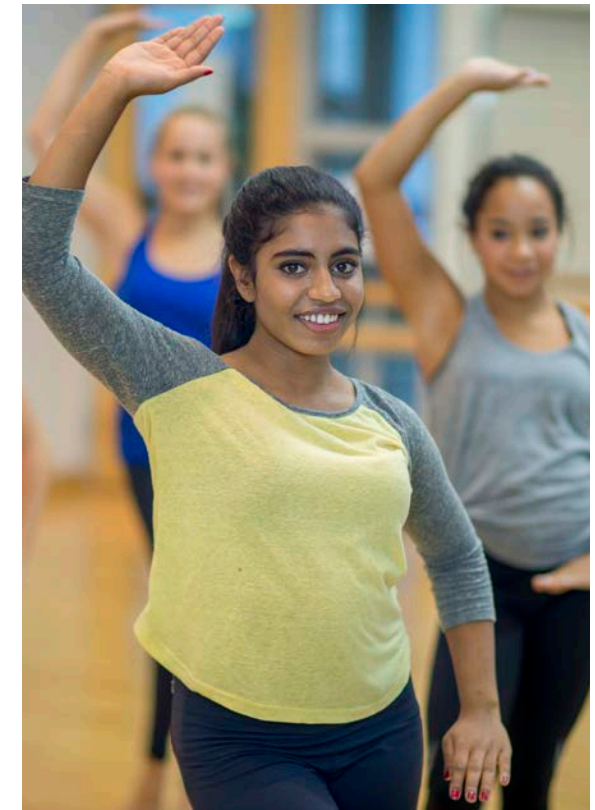
- Acting
- College Entrepreneurship (DC)
- Fine Arts Workshop
- Yoga

Career Related Activities for the Dance pathway

- Athletics
- Children's Workshop
- District Career Days
- District Career Nights
- District Career Treks
- District Honors Dance Concert
- District District
- School Musicals
- Illinois State Theater Festival
- National Honor Society of Dance Arts
- National/State HS Dance Festival
- Orchasis
- Production of Informal and full Length Concert
- Show Choir
- Student Choreography
- Variety Show

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)
- See your counselor regarding admission requirements for highly selective institutions.**



Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Performance Arts: Dance

College Majors

- Dance
- Dance Education

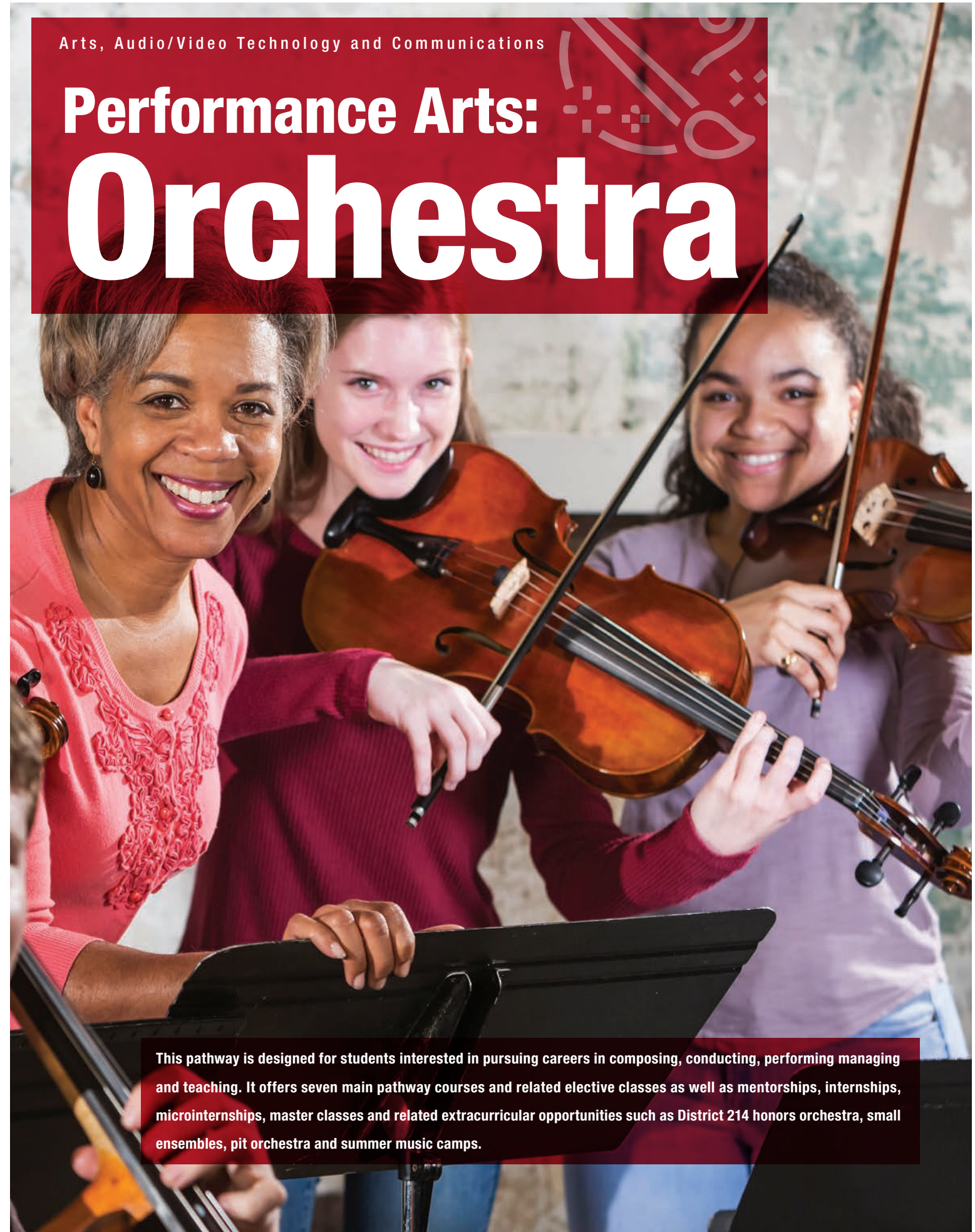
Work-Based Learning Experiences

- Entrepreneurship
- Guest Choreographers and Master Classes
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

Future Careers

- Arts Administrator
- Choreographer
- Company Director
- Dance Educator
- Dance Performer
- Dance Therapist
- Director and Coach
- Production Manager: Digital, Video and Stage
- Studio Owner

Performance Arts: Orchestra



This pathway is designed for students interested in pursuing careers in composing, conducting, performing managing and teaching. It offers seven main pathway courses and related elective classes as well as mentorships, internships, microinternships, master classes and related extracurricular opportunities such as District 214 honors orchestra, small ensembles, pit orchestra and summer music camps.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Orchestra

Orchestra/Concert Orchestra or Beginning Strings

Orchestra/Concert Orchestra or Beginning Strings

Orchestra/Concert Orchestra or Beginning Strings

Harmony and Arranging 1

Orchestra/Concert Orchestra or Beginning Strings

AP Music Theory

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Concert Band/Symphonic Band/Jazz Band
- Fine Arts Workshop
- Guitar
- Music Workshop
- Orchestral Winds and Percussion

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Career Related Activities for the Orchestra pathway

- Athletics
- Community Honors Ensembles (SYSO, CYSO, MYA etc.)
- Conducting, Directing and Composing
- Contests and Festivals
- District 214 Honors Band
- Career Days
- District Career Nights
- District Career Treks
- District Honors Orchestra
- Illinois Music Educators Association
- District/State/Festival Soloist
- Future Music Educators
- Jazz Combo
- Marching Band
- Pep Band
- Pit Orchestra
- Private Lessons
- Small Choir Combo
- Small Ensembles
- Summer Music Camps
- Tri-M, Solo and Ensemble
- Variety Show



Performance Arts: Orchestra

■ **College Majors**

- Conducting
- Instrumental Performance
- Jazz
- Music
- Music Composition
- Music Education
- Music Therapy
- Music Theory

■ **Work-Based Learning Experiences**

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

■ **Future Careers**

- Composer
- Conductor
- Musician
- Music Instructor
- Music Management
- Performer
- Performing Arts Educator
- Sound Designer

(FBS)

Finance and Business Services



Business Management and Administration

Business Management and Administration	77
--	----



Finance

Finance	83
---------	----



Hospitality and Tourism

Culinary Arts	89
---------------	----



Marketing

Marketing	95
-----------	----



Career Pathways

Business Management and Administration



Finance and Business Services (FBS)

Business Management and Administration

This career cluster is designed for students who want to build and manage businesses. In addition to pathway courses and related electives, it offers college entrepreneurship, mentorships, internships and microinternships as well as 21 industry certification opportunities and related extracurricular activities. Students can also earn a free year of college credits through District 214's 3+1 program with National Louis University.

Pathway

Business Management and Administration

77

Student Spotlight

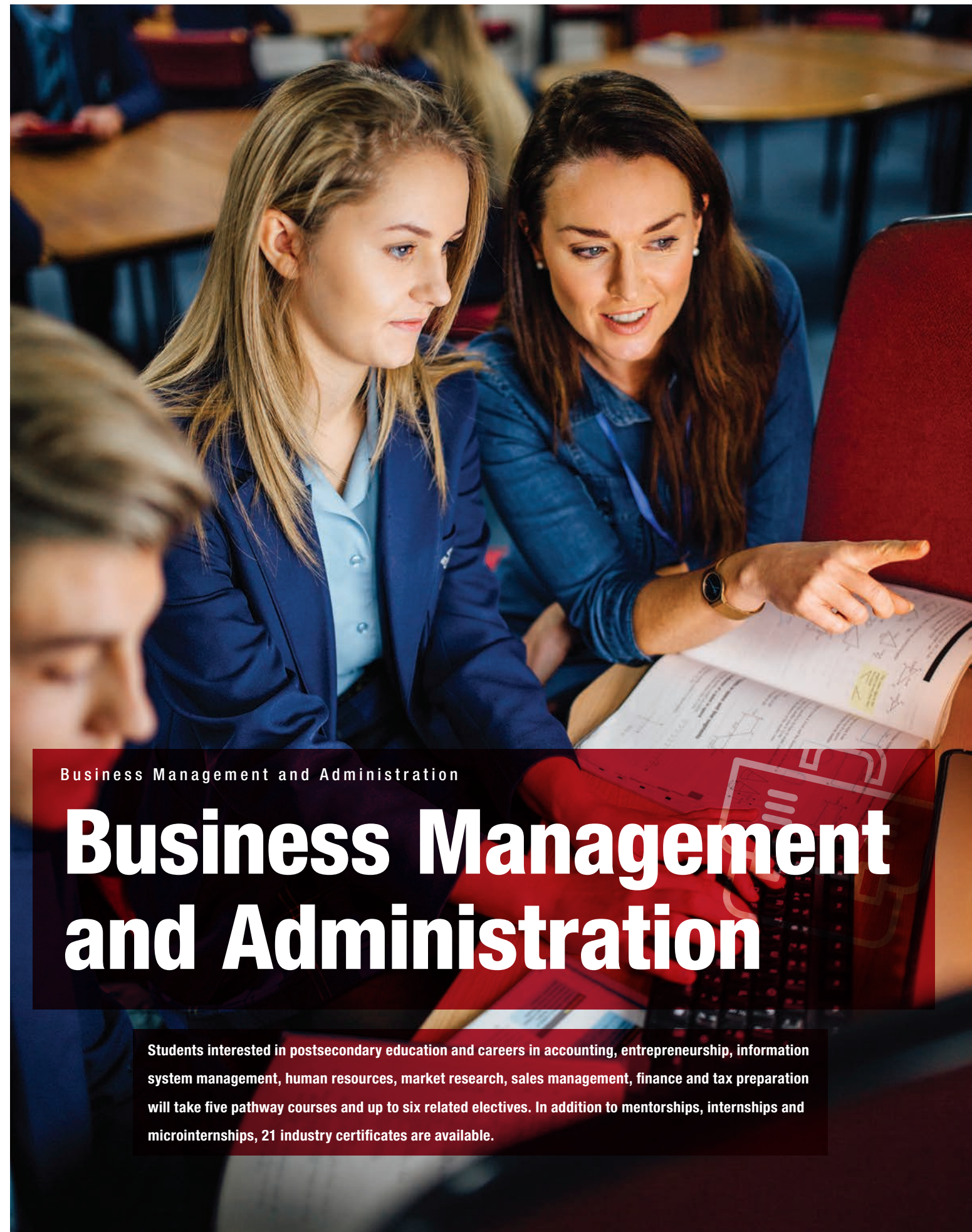
Martin Dimitrov was interested in business when he signed up for the Business Management and Administration Pathway at Wheeling High School—and he learned far more than he anticipated.

The pathway offers students a range of college-level business courses, including College Entrepreneurship, a course teaching all aspects of building a business, from identifying and solving a problem to creating a business model and testing a product in the real world. Coaches and mentors from the community offer advice and help along the way. The program culminates in the annual

Startup Showcase, with winners receiving financial awards toward their postsecondary success.

Martin not only won the Showcase, he also earned a spot—and a business deal—on the popular ABC TV show “Shark Tank” with his idea for SnapClips, Velcro bracelets that hold weights in place on a barbell.

He is now running SnapClips as founder and CEO while working toward his degree at the University of Illinois at Chicago.



Business Management and Administration

Business Management and Administration

Students interested in postsecondary education and careers in accounting, entrepreneurship, information system management, human resources, market research, sales management, finance and tax preparation will take five pathway courses and up to six related electives. In addition to mentorships, internships and microinternships, 21 industry certificates are available.

Business Management and Administration

9 ▶ 10 ▶ 11 ▶ 12 ▶

Business Management and Administration	Introduction to Business	College Entrepreneurship (DC)	College Business (DC)	College Accounting (DC) Middle College
	High School District 214 Graduation Requirements			
English	English English English English Course Descriptions Section - Page 231			4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259			3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277			2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269			2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291			1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247			0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296 , Economics (07830) - Page 281 , Consumer Education (59940) - Page 281 .			0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.			⊛

Post Secondary

Career Related Electives

- Computer Programming and Mobile App Development
- AP Computer Science Principles
- AP Computer Science-A
- AP Statistics
- Personal Finance
- Small Business Management
- World Language
- College Microeconomics
- College Macroeconomics
- AP Economics
- College Statistics

Career Related Activities for the Business Management and Administration pathway

- Athletics
- Community Service Club
- Debate
- Distributive Education Clubs of America (DECA)
- District Career Nights
- District Career Days
- District Career Treks
- Leadership Council
- Startup Showcase
- Student Council

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Middle College Business Administration at National Louis University



The Entrepreneurship Program engages students in the everyday business of creating ideas and building companies. Available in District 214's six comprehensive high schools, it uses the expertise of local business partners with professional roots in a variety of areas, from marketing and branding to finance and business development.

These partners join District 214 teachers to deliver a relevant entrepreneurship education. Students also work in teams, as they would in a real business setting, to solve problems and develop solutions.

Startup Showcase is the culmination of the program's year of critical thinking, collaboration and inspiration. In the competition, the top group from each school pitches their idea to a team of judges for a shot at a financial award funded by the District 214 Education Foundation. Startup Showcase already has helped launch a number of student businesses, including SnapClips, which later secured funding from three of the business professionals on the TV show "Shark Tank."

In addition, several schools have coffee carts that enable students to run businesses during the day. Students in the District's life program at the Forest View Educational Center launched Forest Brew. It helps students in the transition program reach their highest level of independence through instruction in daily living, communication, community, vocation, self-determination and functional academics.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Business Management and Administration

College Majors

- Accounting
- Business Administration and Management
- Business Management and Economics
- Entrepreneurship and Small Business Operations
- Human Resources Management
- Logistics
- Management Information Systems
- Office Management and Supervision
- Public Relations
- Advertising
- Applied Communications

Work-Based Learning Experiences

- College Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching
- Small Business Management

Future Careers

- Accountant and Auditor
- Advertising Manager
- Computer and Information System Manager
- Financial Analyst
- Sales Manager
- Tax Preparer
- Treasurers and Controller

Certifications

- Harper: Administrative Assistant Business
- Software Specialist
- Advanced Management
- Business Analyst
- Computers in Business
- Conversational Spanish
- Electronic Bookkeeping
- Fundraising for Nonprofits
- General Management
- Human Resource Management
- International Business
- Lean Six Sigma Green Belt
- MCSE: SQL Business Intelligence
- Office Administrator
- Professional Communication
- Project Management Specialist
- Small Business Management
- Social Media for Business
- Supervisory and Leadership
- Supervisory Skills I
- Supervisory Skills II



Career Pathways

Finance

Finance and Business Services (FBS)

Finance

In the Finance pathway, students start to develop the critical thinking and real-world application of skills that will help them succeed in careers in the financial industry and business world. Students will have the opportunity to earn college credit as well as industry certifications prior to their postsecondary education.

Pathway | Finance | 83

Student Spotlight

University of Illinois student Deirdra Day is studying to be a financial consultant—a course motivated by her Career Pathway studies at Buffalo Grove High School.

Deirdra was interested in business but didn't know what aspect she wanted to pursue. Taking College Business sparked her interest in finance. And a pathway field trip to a Chicago financial services

firm helped her to focus on advisory services.

Her high school work is paying off in college. Taking AP courses and dual-credit classes helped her pass out of some college courses such as accounting and provided the necessary background for other classes.

“ While a class such as accounting is a hard subject, it is much easier to take this class while in high school since your course load is much lighter. In addition, my performance in the dual-credit classes allowed me to transfer into college with a 4.0 GPA, which raises my cumulative GPA.” - Deirdra Day



Finance

Finance

This pathway provides courses and training for students who want to pursue careers in the financial industry, including actuary, budget or credit analyst, insurance appraiser or underwriter, loan officer, sales agent, treasurer and controller, teller and sales agent. Students have the opportunity to earn college credit as well as industry certifications.

9 10 11 12

Finance

Introduction to Business

College Entrepreneurship (DC)

College Business (DC)

College Accounting (DC)

College Macroeconomics (DC)

College Microeconomics (DC)

AP Economics

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Computer Programming and Mobile App Development
- AP Computer Science Principles
- AP Computer Science-A
- AP Statistics
- Personal Finance
- Small Business Management

Career Related Activities for the Finance pathway

- Athletics
- Club Treasurer
- Distributive Education Clubs of America (DECA)
- District Career Days
- District Career Nights
- District Career Treks
- Math Team
- Startup Showcase
- Students Council

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Business Management



DECA is an international association of high school and college students studying marketing, management and entrepreneurship. The group prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management. DECA promotes four areas of lifelong learning for its members and advisers: Vocational Understanding, Civic Consciousness, Leadership Development and Social Intelligence.

DECA, with 55 chapters and over 3,000 members in Illinois, provides an opportunity for students and advisors to get involved in the business world through community service projects, leadership conferences, marketing field trips and local, state and national competitions. It offers the out-of-classroom, real-world business experience that textbooks alone can't provide. Students work, network and compete with other business students throughout the area, state and nation.

Finance

College Majors

- Actuarial Science
- Banking and Financial Support Services
- Business and Personal
- Financial Services
- Marketing Operations
- Credit Management
- Financial Planning Services
- Insurance
- International Finance
- Investments and Securities

Certifications

- Harper: Electronic Bookkeeping
- Financial Management
- MCSE: SQL Business Intelligence

Work-Based Learning Experiences

- College Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Small Business Management

Future Careers

- Actuary
- Budget Analyst
- Credit Analyst
- Financial Service
- Insurance Appraiser
- Insurance Underwriter
- Loan Officer
- Sales Agent
- Securities and Commodities
- Telemarketer
- Teller
- Treasurer



Career Pathway

Hospitality and Tourism

Finance and Business Services (FBS)

Hospitality and Tourism

For students who want to work in restaurants and food services, hotels, and other hospitality-related areas, this career cluster offers a strong educational and practical foundation. In addition to pathway courses and internships, it also features student-run professional kitchens that cater school events.

Pathway

Culinary Arts

89

Student Spotlight

Jacob Katz-Berger discovered his passion for cooking in a sixth-grade Home Economics class. Starting with his freshman year at Buffalo Grove High School, he enrolled in the Culinary Arts Pathway. By his sophomore year, he qualified for the college-level ProStart, a two-year high-school program created by the National Restaurant Association. During his senior year, he was a ProStart teaching intern.

Following high school, Jacob was accepted at the Culinary Institute of America, an intense program that included experiences such as meeting famous chefs, traveling to Spain and studying Farm to Table cuisine at the Institute's Napa campus. Today, with his bachelor's degree in Culinary Arts Management, Jacob is running private parties and pop-up restaurants and plans to eventually open his own restaurant.

“ I loved every moment of these [high school] classes over the four years. My high school classes reinforced my desire to further my knowledge in the field of culinary arts.”

- Jacob Katz-Berger



Hospitality and Tourism

Culinary Arts

This pathway is focused on training students for careers as bakers, chefs, food service managers and hotel managers, among other culinary roles. The pathway features ProStart, a two-year, national college-level program designed by the National Restaurant Association that offers up to 12 hours of college credit and an opportunity to earn the ProStart Certificate of Achievement. In addition, students can work with local restaurants and participate in ProStart competitions.

9 10 11 12

Culinary Arts

Intro to Culinary Arts/ Advanced Culinary Arts

College Culinary Arts - Prostart 1 (DC)

College Culinary Arts - Prostart 2 (DC)

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Food Science
- Small Business Management

Career Related Activities for the Culinary Arts pathway

- Athletics
- Distributive Education Clubs of America (DECA)
- District Career Days
- District Career Nights
- District Career Treks
- Family, Career and Community Leaders of America (FCCLA)
- Speech Team
- World Language Club

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

ProStart



ProStart is a two-year, national college-level program designed by the National Restaurant Association to educate high school students in the culinary field while providing them with an opportunity to earn up to 12 hours of early college credit.

The program, offered at Buffalo Grove, Elk Grove and Rolling Meadows high schools, prepares participating students from all District schools to work in the food industry.

Students learn to plan menus, order food, prep and cook meals, manage restaurants and handle events—often taking on real-world assignments. For example, students involved with The Bison Grill, a student-run restaurant in Buffalo Grove High School, handle an average of 20 catering jobs a year for community outreach events, school meetings and professional luncheons for state and local officials.

Students in the program also visit restaurants and catering services and participate in internships. Upon completion of various courses within the program, students are tested for certifications, which help them when applying for postsecondary opportunities and culinary jobs.

Culinary Arts

College Majors

- Baking and Pastry Arts-Baker-Pastry Chef
- Cooking and Related Culinary Arts, General
- Culinary Arts
- Chef Training
- Hotel Administration-Management
- Restaurant-Food Services Management

Certifications

- High School: Food Handler
- National Restaurant Association ProStart
- Certificate of Achievement Harper: Bread and Pastry Arts
- Conversational Spanish
- Culinary Arts
- Escoffier Online Culinary Arts
- Food Service Management
- Hotel Management

Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- ProStart
- Small Business Management

Future Careers

- Baker
- Chef and Head Cook
- Food Service Manager
- Hotel-Resort Manager
- Waiter
- Waitress



Career Pathway

Marketing

Finance and Business Services (FBS)

Marketing

Marketing is designed for students who want to plan, manage and perform marketing activities to help companies and other entities reach their organizational objectives. Through pathway courses, related electives, certificate opportunities and workplace and extracurricular activities, students will be prepared for postsecondary education and career opportunities following high school graduation.

Pathway	Marketing	95
----------------	------------------	-----------

Student Spotlight

Jessy Syed decided to pursue a career in marketing after taking marketing and business courses as part of the Marketing Pathway at Buffalo Grove High School. Through the pathway, she learned what kinds of skills she'll need to thrive in the field—and what she needs to focus on.

In addition to the pathway's business, entrepreneurship and accounting courses, Jessy also gained hands-on experience through several marketing internships, including one with the Rolling Meadows Chamber of Commerce.

These experiences helped her to develop an array of soft skills that marketing professionals use every day.

"When you're in an office environment, you're actually seeing how people with years of experience under their belt are interacting with clients, and when they are smiling and have eye contact and positive body language," says Jessy, who is studying marketing and behavioral economics at the University of Pennsylvania.

“ You're learning a lot about what it takes to be a people person in those situations.” - Jessy Syed



Marketing

Through pathway and elective classes, students interested in advertising, merchandising, international marketing, public relations, retail operations and sales and distribution will learn key skills as well as earn college credits. In addition, practical work-based experiences are offered, such as industry mentorships, internships and microinternships.

	9 ▶	10 ▶	11 ▶	12 ▶
Marketing	Introduction to Business		College Entrepreneurship (DC) Sports And Entertainment Marketing	College Business (DC) College Accounting (DC)

High School District 214 Graduation Requirements

English	English English English English Course Descriptions Section - Page 231	4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259	3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277	2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269	2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291	1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247	0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296 , Economics (07830) - Page 281 , Consumer Education (59940) - Page 281 .	0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.	⊛

Post Secondary

Career Related Electives

- AP Statistics
- Computer Programming, Mobile App and Networking
- Small Business Management
- Sports & Entertainment Marketing

Career Related Activities for the Marketing pathway

- Athletics
- Distributive Education Clubs of America (DECA)
- District Career Days
- District Career Nights
- District Career Treks
- Newspaper
- School Store
- Yearbook

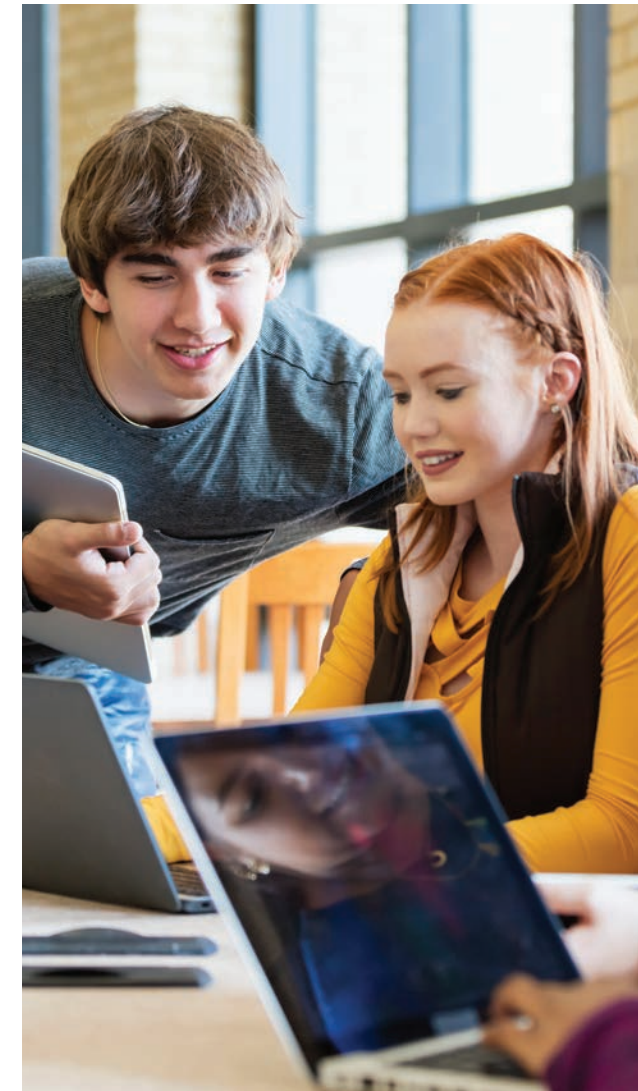
Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Marketing

■ College Majors

- Advertising
- Fashion Merchandising
- International Marketing
- Marketing, Merchandising
- Public Relations
- Retail Operations
- Sales/Distribution

■ Certifications

- Harper: E-Commerce Business
- eMarketing Essentials
- Managing Social Media Platforms
- Marketing
- Marketing Research
- MCSE: SQL Business Intelligence
- Mobile Marketing
- Real Estate Staging
- Retail Merchandising
- Sales Management and Development
- Social Media for Business
- Social Media Marketing Specialist
- Video Marketing

■ Work-Based Learning Experiences

- College Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Small Business Management

■ Future Careers

- Advertising and Promotions Manager
- Appraiser and Assessor of Real Estate
- Demonstrator and Product Promoter
- Market Research Analyst and Marketing Specialist
- Meeting-Convention and Event Planner
- Public Relation
- Real Estate Broker
- Sales and Related Worker
- Survey Researcher
- Wholesale and Retail Buyer

(HST)
**Health Sciences
and Technology**



Health Science

Allied Health	103
Nursing	107
Pre-Medicine	111



Career Pathways

Health Science

Health Sciences and Technology (HST)

Health Science

This career cluster prepares students for a wide range of opportunities in the health services sector. Possible careers range from certified nursing assistants and paramedics to nurses, physicians and dentists. In addition to key pathway courses and electives, students are offered opportunities for hands-on work-based training, including internships and the district's new apprenticeship program.

Pathway

Allied Health	103
Nursing	107
Pre-Medicine	111



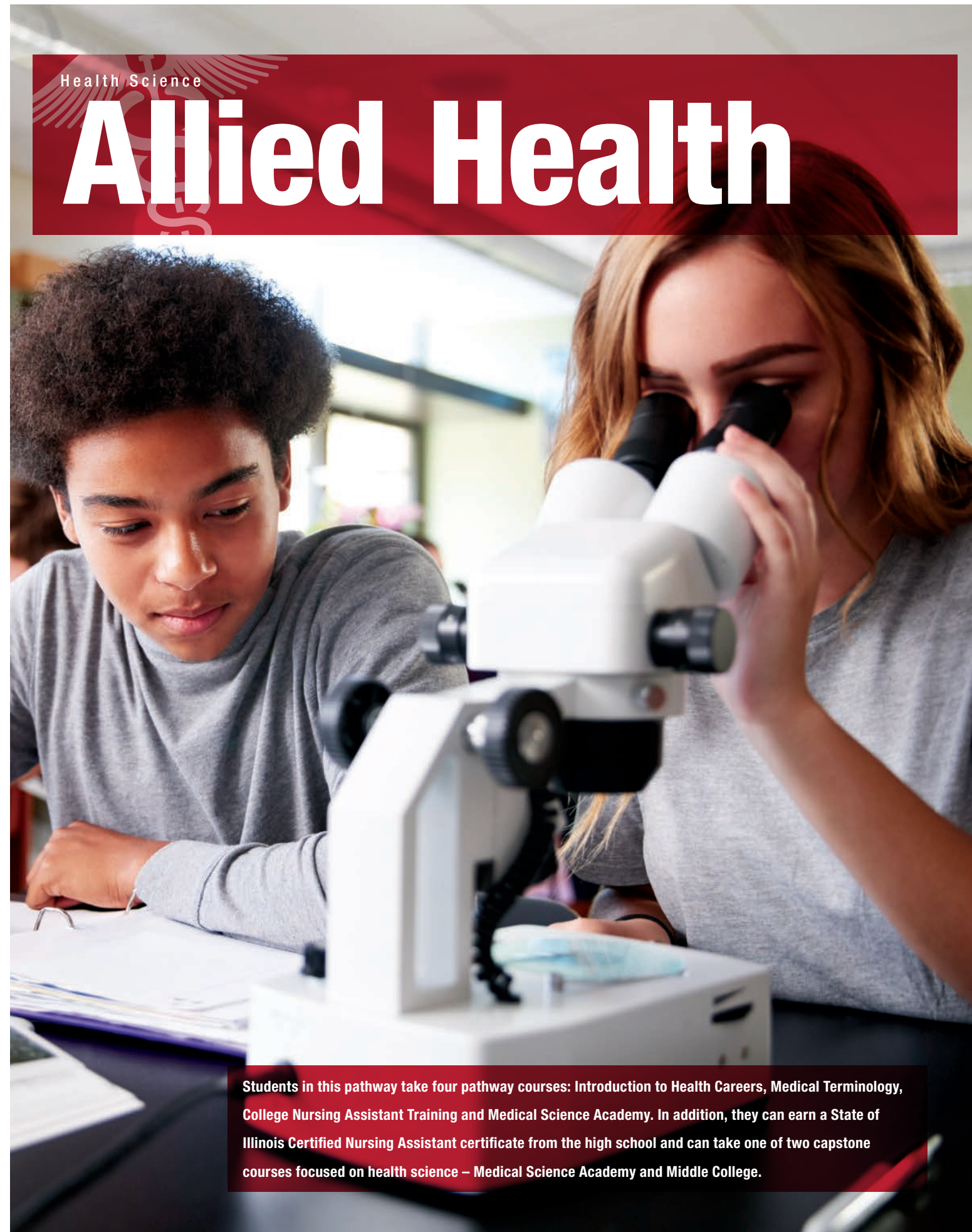
Lizeth Leon, Senior,
Wheeling High School

Student Spotlight

Lizeth Leon has wanted to be a nurse since eighth grade. So she was ready to start the Health Science Pathway as she entered her freshman year at Wheeling High School. Since then, she has expanded her knowledge with various classes, such as Introduction to Health Careers and Medical Terminology.

During her junior year, Lizeth took College Nursing Assistant Training, earning state certification as a certified nursing assistant. That led to a summer job at the Greek American Rehabilitation and Care Centre in Wheeling, where she built on her skills working with older patients. Lizeth plans to attend college when she graduates and eventually wants to work as a neonatal nurse caring for infants.

“ I would totally recommend the program to other students who are looking forward to being in the medical field and are passionate about helping others” - Lizeth Leon



Students in this pathway take four pathway courses: Introduction to Health Careers, Medical Terminology, College Nursing Assistant Training and Medical Science Academy. In addition, they can earn a State of Illinois Certified Nursing Assistant certificate from the high school and can take one of two capstone courses focused on health science – Medical Science Academy and Middle College.

9 10 11 12

Allied Health

Introduction to Healthcare Field 1 (WHS, EGHS, JHHS, RMHS)

Exercise Physiology (PHS, BGHS)

Introduction to Healthcare Field 2/ Medical Terminology

Human Physiology/ Medical Terminology (BGHS)

College Nursing Assistant Training (DC)

College Human Anatomy and Physiology (DC)

Honors Physics (BGHS, EGHS, RMHS, WHS)

Middle College Health Careers (application required)

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Psychology
- College Health Occupations Career Observation (DC)
- College Introduction to Health Careers
- Experiential Medical Physiology and Biochemistry
- Human Physiology

Career Related Activities for the Health Science pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Health Career Clubs
- Student Athletic Trainers

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).



Health Science

College Majors

- Microcellular Biology
- Community Health and Preventive Medicine
- Dentistry
- Emergency Medical Technology Technician
- Health Informatics
- Medical Records Administration
- Medicine
- Nursing
- Pharmacy

Certifications

- High School: State of Illinois Certified Nursing Assistant Harper: Cardiographic Technician
- Certified Nursing Assistant
- Computed Technology (CT)
- Emergency Medical Services-EMT Basic
- Health Information Technology
- Health Care Office Assistant
- Health Insurance Specialist
- Mammography
- Medical Assistant
- Paramedic
- Pharmacy Technician
- Physical Therapy Aide
- Practical Nursing
- Phlebotomy
- Therapeutic Massage

Work-Based Learning Experiences

- College Nursing Assistant Training
- Experiential Medical Physiology and Biochemistry
- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Dentist
- Dental Technician
- Dietitian and Nutritionist
- Emergency Medical Technicians and Paramedic
- Experiential Medical Physiology and Biochemistry
- Health Technologists and Technician
- Medical Records and Health Information Technician
- Nurse
- Nursing Assistant
- Occupational and Physical Therapist
- Pharmacist
- Pharmacy Technician
- Physician Assistant
- Physician-Doctor-Surgeon
- Psychiatrist



Students in this pathway take four pathway courses: Introduction to Health Careers, Medical Terminology, College Nursing Assistant Training and Medical Science Academy. In addition, they can earn a State of Illinois Certified Nursing Assistant certificate from the high school and can take one of two capstone courses focused on health science – Medical Science Academy and Middle College.

9 10 11 12

Nursing

Introduction to Healthcare Field 1 (WHS, EGHS, JHHS, RMHS)

Exercise Physiology (PHS, BGHS)

Introduction to Healthcare Field 2/ Medical Terminology

Human Physiology/ Medical Terminology (BGHS)

College Nursing Assistant Training (DC)

College Human Anatomy and Physiology (DC)

Honors Physics (BGHS, EGHS, RMHS, WHS)

Middle College Health Careers (application required)

D214 Youth Apprenticeship: Nursing

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Psychology
- College Health Occupations Career Observation (DC)
- College Introduction to Health Careers
- Experiential Medical Physiology and Biochemistry
- Human Physiology

Career Related Activities for the Health Science pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Health Career Clubs
- Student Athletic Trainers

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)
- See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Medical Academy and Middle College



District 214 gives students interested in health science careers early opportunities for success through two Health Science Pathway programs.

Through Medical Academy, seniors can observe professionals at local hospitals, participate in work-based learning experiences and explore topics such as anatomy, physiology and organic chemistry to prepare for careers in health science.

The D214 Middle College at Harper Health Professions Program is designed for students who plan to complete a healthcare program at Harper College following high school graduation. Through Middle College, seniors take dual credit health science and general education courses on the Harper College campus full-time. The program is designed for students working to earn associate degrees in areas such as nursing, dental hygiene and surgical technology or for certificates in medical assisting, EKG technician, medical coding and more.

Students can earn up to 30 college credit hours during their senior year, whether they are interested in preparing for an associate degree program or pursuing an industry certificate.

Nursing

College Majors

- Microcellular Biology
- Community Health and Preventive Medicine
- Dentistry
- Emergency Medical Technology Technician
- Health Informatics
- Medical Records Administration
- Medicine
- Nursing
- Pharmacy

Certifications

- High School: State of Illinois Certified Nursing Assistant Harper: Cardiographic Technician
- Certified Nursing Assistant
- Computed Technology (CT)
- Emergency Medical Services-EMT Basic
- Health Information Technology
- Health Care Office Assistant
- Health Insurance Specialist
- Mammography
- Medical Assistant
- Paramedic
- Pharmacy Technician
- Physical Therapy Aide
- Practical Nursing
- Phlebotomy
- Therapeutic Massage

Work-Based Learning Experiences

- College Nursing Assistant Training
- Experiential Medical Physiology and Biochemistry
- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Dentist
- Dental Technician
- Dietitian and Nutritionist
- Emergency Medical Technicians and Paramedic
- Experiential Medical Physiology and Biochemistry
- Health Technologists and Technician
- Medical Records and Health Information Technician
- Nurse
- Nursing Assistant
- Occupational and Physical Therapist
- Pharmacist
- Pharmacy Technician
- Physician Assistant
- Physician-Doctor-Surgeon
- Psychiatrist



Health Science

Pre-Medicine

Students in this pathway take four pathway courses: Introduction to Health Careers, Medical Terminology, College Nursing Assistant Training and Medical Science Academy. In addition, they can earn a State of Illinois Certified Nursing Assistant certificate from the high school and can take one of two capstone courses focused on health science – Medical Science Academy and Middle College.

9 ▶

10 ▶

11 ▶

12 ▶

Pre-Medicine

Introduction to Healthcare Field 1 (WHS, EGHS, JHHS, RMHS)

Exercise Physiology (PHS, BGHS)

Introduction to Healthcare Field 2/ Medical Terminology

Human Physiology/ Medical Terminology (BGHS)

College Nursing Assistant Training (DC)

College Human Anatomy and Physiology (DC)

Honors Physics (BGHS, EGHS, RMHS, WHS)

Medical Science Academy (application required)

AP Chemistry

AP Biology

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - Page 231

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - Page 259

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - Page 277

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - Page 269

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - Page 291

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - Page 247

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - Page 319
Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Psychology
- College Health Occupations Career Observation (DC)
- College Introduction to Health Careers
- Experiential Medical Physiology and Biochemistry
- Human Physiology

Career Related Activities for the Health Science pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Health Career Clubs
- Student Athletic Trainers

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).



Pre-Medicine

College Majors

- Microcellular Biology
- Community Health and Preventive Medicine
- Dentistry
- Emergency Medical Technology Technician
- Health Informatics
- Medical Records Administration
- Medicine
- Nursing
- Pharmacy

Certifications

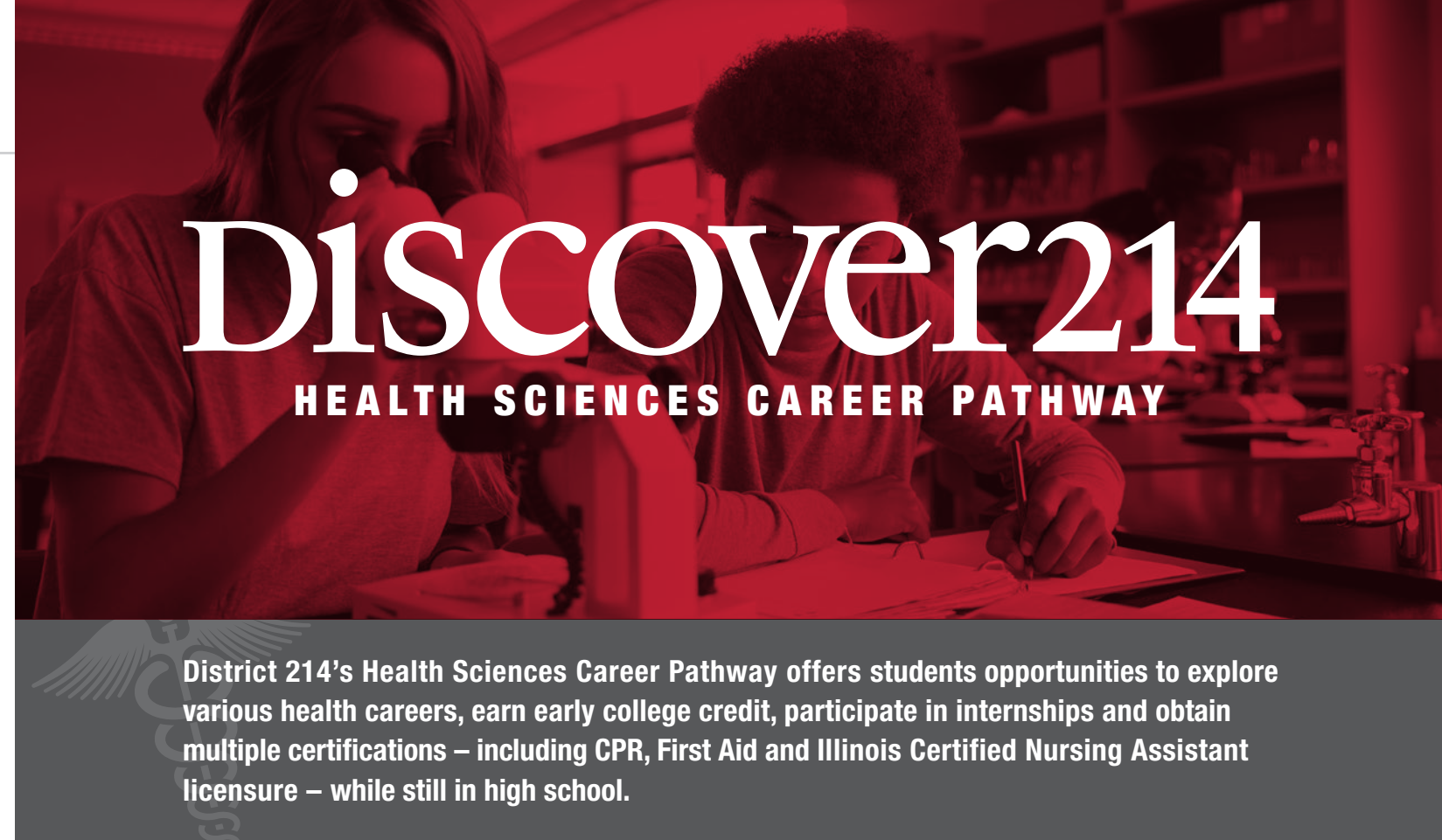
- High School: State of Illinois Certified Nursing Assistant Harper: Cardiographic Technician
- Certified Nursing Assistant
- Computed Technology (CT)
- Emergency Medical Services-EMT Basic
- Health Information Technology
- Health Care Office Assistant
- Health Insurance Specialist
- Mammography
- Medical Assistant
- Paramedic
- Pharmacy Technician
- Physical Therapy Aide
- Practical Nursing
- Phlebotomy
- Therapeutic Massage

Work-Based Learning Experiences

- College Nursing Assistant Training
- Experiential Medical Physiology and Biochemistry
- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Dentist
- Dental Technician
- Dietitian and Nutritionist
- Emergency Medical Technicians and Paramedic
- Experiential Medical Physiology and Biochemistry
- Health Technologists and Technician
- Medical Records and Health Information Technician
- Nurse
- Nursing Assistant
- Occupational and Physical Therapist
- Pharmacist
- Pharmacy Technician
- Physician Assistant
- Physician-Doctor-Surgeon
- Psychiatrist



MEDICAL SCIENCE ACADEMY

This is an advanced course open to highly motivated District 214 seniors who are seriously interested in a career in medicine and ready for college-level coursework. As part of this class, students can:

- Take dual credit courses – College Human Anatomy and College Human Physiology – at Harper College
- Complete independent research related to medicine and health
- Job shadow
- Participate in a health-related internship

The course requires a 150-minute daily commitment, including travel to internship sites, and is taught at District 214's Forest View Educational Center.

MIDDLE COLLEGE

This yearlong program at Harper College is designed for seniors preparing to enter allied health professions (i.e. dental hygienists, medical technologists or speech language pathologists). Students in the program can earn up to 30 college credit hours through dual credit health science and general education courses.

Students in this program are on the Harper campus full-time during their senior year. They can earn credit toward associate degrees in areas such as nursing, dental hygiene surgical technology and toward certificates in medical assisting, EKG technician, medical coding and more.

(HPS)

Human and Public Services



Education and Training

Early Childhood Education	119
Primary Education	123
Secondary Education	127



Government and Public Administration

International Relations	133
Government and Public Administration	137



Human Services

Counseling and Mental Health Services	143
Exercise, Physiology and Kinesiology	147



Law, Public Safety, Corrections and Security

Criminal Justice	153
Emergency and Fire Management Services	157
Law	161



Career Pathways

Education and Training



Human and Public Services (HPS)

Education and Training

Pathways in this cluster prepare students education careers at the early childhood, primary and postsecondary education levels. In addition to pathway courses and electives, each pathway offers early college credit and a wide range of hands-on learning experiences through work-based training and extracurricular activities.

Pathways

Early Childhood Education	119
Primary Education	123
Secondary Education	127

Student Spotlight

Marilyn Gutierrez always wanted to become a teacher but wasn't sure it was the right fit for her. Thanks to the Teaching/Training Pathway and its Educator Prep program, the Rolling Meadows High School graduate is now studying early childhood education at National Louis University.

In high school, Marilyn took introductory and college-level education courses to earn dual credits and a \$4,600 annual scholarship to National Louis. That, along with student teaching experience, gave her a solid foundation when she entered college.

"Because National Louis is a partner with District 214, my education is much more affordable than I could have ever dreamed," says Marilyn, who is the first in her family to go to college.

As part of the Educator Prep program, Marilyn will have opportunities for student teaching positions in District 214 and participating local elementary schools. She will also have the chance to interview for open teaching positions in those schools after graduation.

Education and Training

Early Childhood Education



This pathway is set up for students interested in working with young children as an elementary school teacher, kindergarten teacher, preschool teacher, librarian, special education teacher or teacher assistant. It offers five main pathway courses, early college credit and related elective classes as well as practical experience, three high school certificates and 10 Harper College certificates.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Early Childhood Education

Foundations of Learning and Development

Introduction to Teaching Methods

Practicum in Early Childhood Education 2

Practicum in Early Childhood Education 3

Practicum in Early Childhood Education 4

College Introduction to Early Childhood Education (DC)

College Education Academy (DC)

High School District 214 Graduation Requirements

English

English | English | English | English

Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)

Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)

Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)

Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education

Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts

Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education

A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)

Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Psychology
- College Entrepreneurship (DC)
- College Introduction to Education (DC)
- Small Business Management
- College Inquiry into Teaching
- World Language
- College Education Academy (DC)

Career Related Activities for the Early Childhood Education pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Educators Rising
- Principal's Advisory Council
- Scholastic Bowl
- Service Learning
- Student Athletic Trainer
- Student Council
- Student Tutor

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Preschool Programs



As part of the Education Pathway and work-based learning experience, three District 214 high schools offer morning and afternoon preschool programs—Rolling Meadows, Hersey and Buffalo Grove.

In the program, high school students learn to teach math, language, science and music skills to preschool children using hands-on discovery techniques.

Students prepare daily lessons focusing on the preparatory skills that preschool children need to be successful in kindergarten. All lesson plans are required to meet the state's early childhood learning standards. Students also complete weekly observations to gain a better sense of the preschool children's developmental and educational needs.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Early Childhood Education

College Majors

- Early Childhood Education
- Multicultural
- ESL Education
- Special Education
- Sport and Fitness Management

Certifications

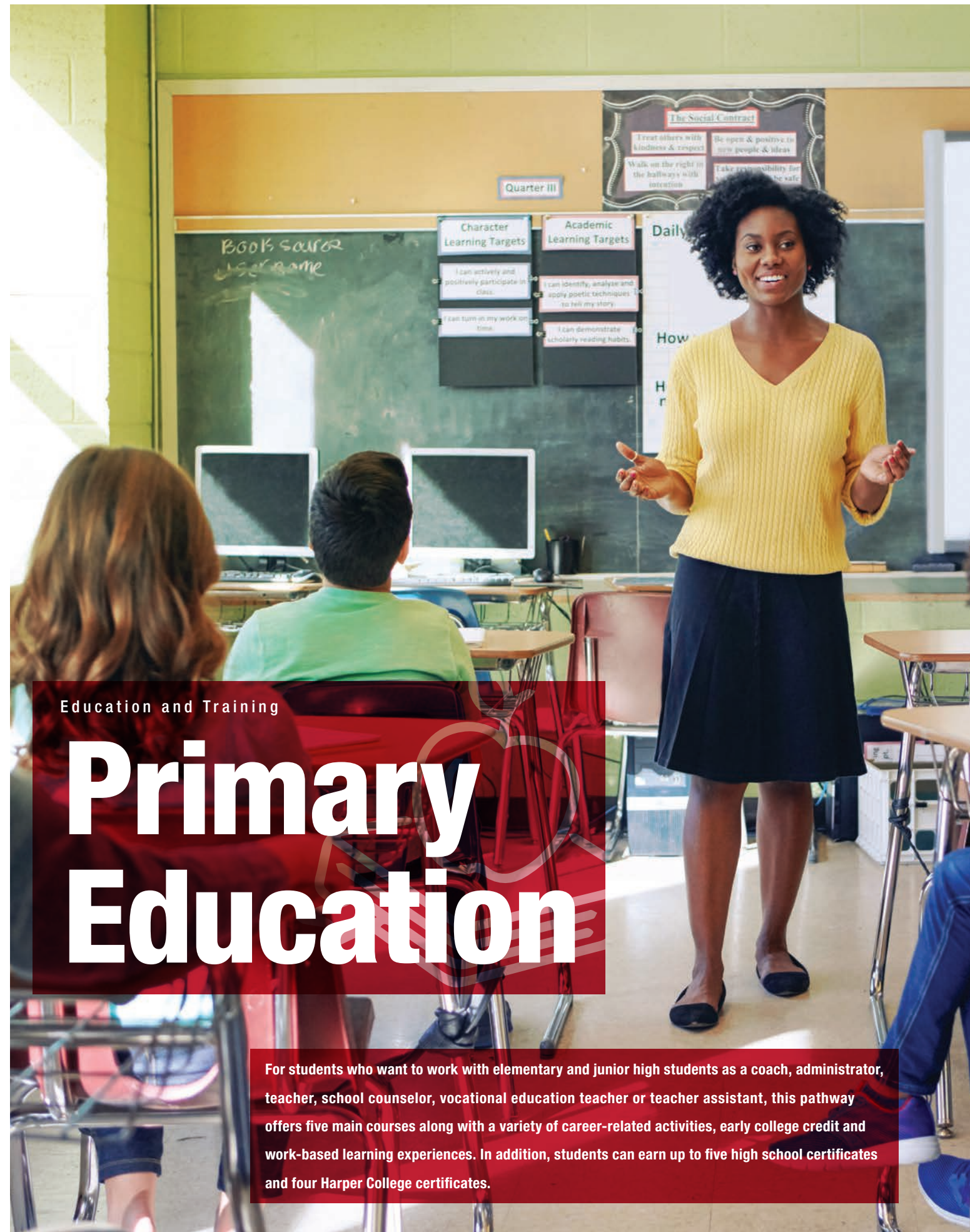
- Harper: American Heart Association-CPR
- American Heart Association-First Aid
- Gateway Level 1
- Conversational Spanish
- Early Childhood Education: Administrator Certificate
- Early Childhood Education: Assistant Teacher
- Early Childhood Education: Before and After School Care
- Early Childhood Education: Family Child Care
- Early Childhood Education: Infant/Toddler
- Early Childhood Education: Special Education Paraprofessional Educator
- Substitute Teacher

Work-Based Learning Experiences

- Education Academy
- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Introduction to Teaching Methods
- Small Business Management
- College Inquiry into Teaching

Future Careers

- Coach
- Education Administrator
- Elementary School Teacher
- Kindergarten Teacher
- Librarian
- Multicultural
- ESL Teacher
- Preschool Teacher
- Special Education Teacher
- Teacher Assistant



Education and Training

Primary Education

For students who want to work with elementary and junior high students as a coach, administrator, teacher, school counselor, vocational education teacher or teacher assistant, this pathway offers five main courses along with a variety of career-related activities, early college credit and work-based learning experiences. In addition, students can earn up to five high school certificates and four Harper College certificates.

9 ▶ 10 ▶ 11 ▶ 12 ▶

Primary Education

Foundations of Learning and Development

Introduction to Teaching Methods

Elective

College Introduction to Education (DC)

College Inquiry into Teaching

College Education Academy (DC)

High School District 214 Graduation Requirements

English | English | English | English
 Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
 Including one unit of Algebra I and one unit of Geometry.
 Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science | Social Science | Social Science (Recommended)
 Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
 Course Descriptions Section - [Page 277](#)

2.0 credit units

Science | Science | Science (Recommended)
 Course Descriptions Section - [Page 269](#)

2.0 credit units

Career and Technical Education
 Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts
 Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education
 Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education | Health | Physical Education | Physical Education
 A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
 Course Descriptions Section - [Page 319](#)
 Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Psychology
- World Language

Career Related Activities for the Primary Education pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Educators Rising
- Principals Advisory Council
- Scholastic Bowl
- Service Learning
- Student Athletic Trainer
- Student Council
- Student Tutor

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Educator Prep



The Educator Prep program is designed to teach students the skills and knowledge they need to become successful educators. The program offers dual credits and the opportunity to observe and teach in various classroom environments.

The goal of the program is to recruit students interested in education and ensure they are qualified and prepared for teaching positions in Chicago's northwest suburbs and other areas.

Students who complete the Educator Prep program and continue to study teaching at National Louis University or Northeastern Illinois University are guaranteed a student teaching position at a high school in the District or at one of the District's partner schools. After college graduation, they will be guaranteed a job interview if the District has an opening in their area.

This program, which other school districts have adopted as a model, aims to break down barriers of access and affordability and, through strong partnerships, provide students with opportunities to become successful teachers in area communities and beyond.

Primary Education

College Majors

- Library Science
- Multicultural
- ESL Education
- Primary Education
- School Administration
- School Counseling
- Special Education
- Sports and Fitness

Certifications

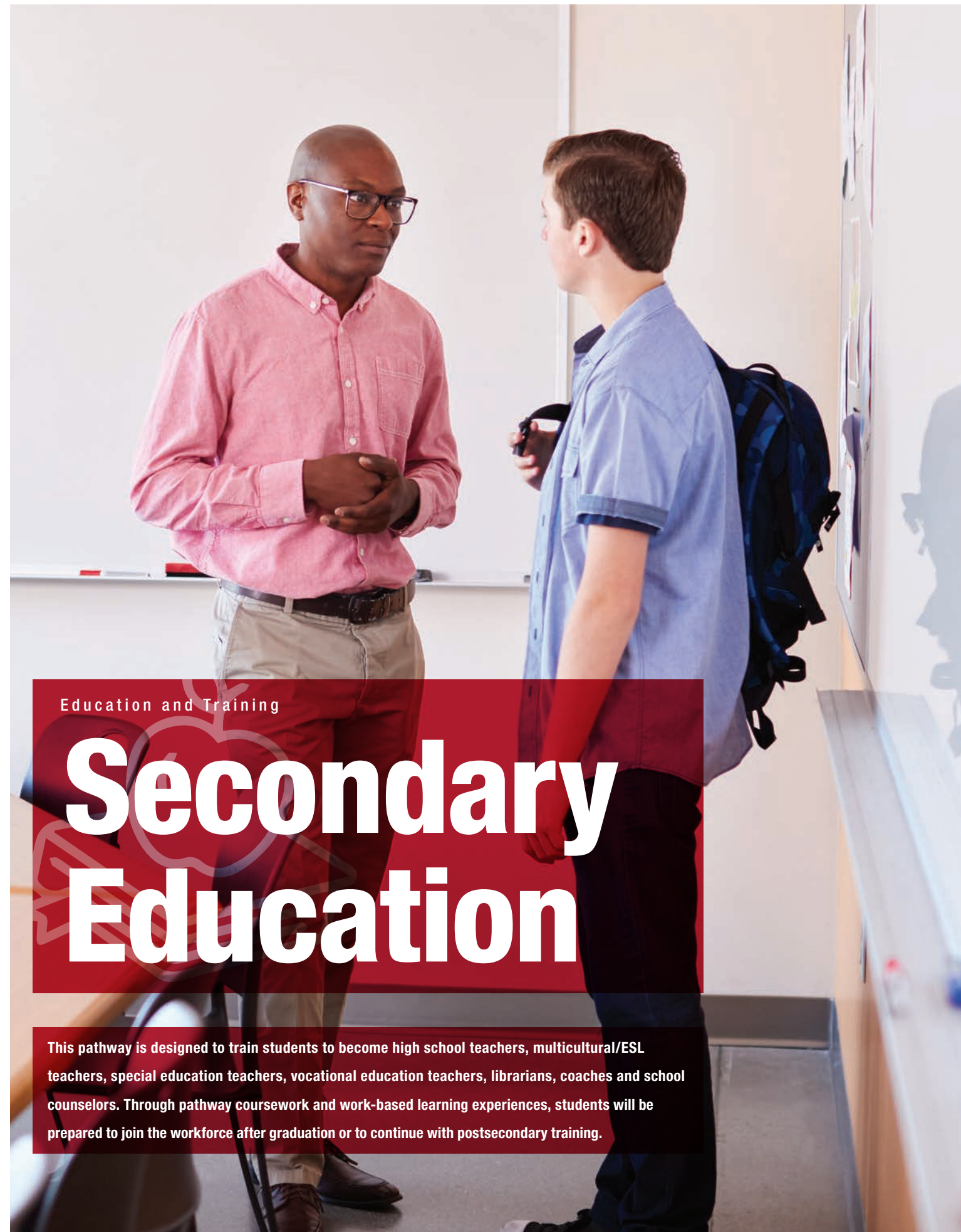
- High School: AAFCS-Education Fundamentals
- American Heart Association-CPR
- American Heart Association: First Aid
- Gateway Level 1- Harper: Conversational Spanish
- Library Assistant
- Paraprofessional Educator
- Substitute

Work-Based Learning Experiences

- Education Academy
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching

Future Careers

- Coach
- Education Administrator
- Elementary-Junior High Teacher
- Librarian
- Multicultural-ESL Teacher
- School Counselor
- Special Education Teacher
- Teacher Assistant
- Vocational Education Teacher



Education and Training

Secondary Education

This pathway is designed to train students to become high school teachers, multicultural/ESL teachers, special education teachers, vocational education teachers, librarians, coaches and school counselors. Through pathway coursework and work-based learning experiences, students will be prepared to join the workforce after graduation or to continue with postsecondary training.

9 ▶ 10 ▶ 11 ▶ 12 ▶

Secondary Education

Foundations of Learning and Development

Introduction to Teaching Methods

Elective

College Introduction to Education (DC)

College Inquiry into Teaching

College Education Academy (DC)

High School District 214 Graduation Requirements

English

English | English | English | English

Course Descriptions Section - Page 231

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)

Including one unit of Algebra I and one unit of Geometry.

Course Descriptions Section - Page 259

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)

Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.

Course Descriptions Section - Page 277

2.0 credit units

Science

Science | Science | Science (Recommended)

Course Descriptions Section - Page 269

2.0 credit units

Career & Technical Education

Career and Technical Education

Course Descriptions Section - Page 291

1.0 credit unit

Fine Arts

Fine Arts

Course Descriptions Section - Page 247

0.5 credit unit

Consumer Education

Consumer Education

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education

A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*

Course Descriptions Section - Page 319

Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

AP and other coursework related to area of specialization

AP Psychology

World Language

Career Related Activities for the Secondary Education pathway

Athletics

District Career Days

District Career Nights

District Career Treks

Educators Rising

Principal's Advisory Council

Scholastic Bowl

Service Learning

Student Athletic Trainer

Student Council

Student Tutor

Four-Year University Admission Requirements

English (4 years)

Mathematics (4 years)

Social Science (3-4 years)

Science (2-3 years)

World Language (2-3 years)

Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Education Academy



Education Academy, the capstone course of the Education pathway, is open to seniors interested in a career in education, who have previously completed Education pathway coursework. The capstone experience aims to provide students interested in education opportunities to explore, learn and observe various topics in the field. Topics can include human development, school learning, assessment, multicultural education, and teaching methods.

Education Academy consists of two semesters of dual credit coursework. Students are able to earn college credit from Eastern Illinois University during a semester of College Education in a Diverse Society, and credit from National Louis University during a semester of College Applied Educational Psychology.

Outside of the classroom, students are able to gain a larger perspective of the real-life educational opportunities available to them through the embedded work-based learning component of the capstone. Students are partnered with teachers in the elementary and middle school districts in the surrounding community, observing them in the classroom environment. Observation provides an opportunity for students to see first-hand what they have been learning and how it applies in a real-world classroom setting under the guidance of a professional educator.

Secondary Education

College Majors

- Library Science
- Multicultural
- WSL Education
- School Administration
- School Counseling
- Secondary Education
- Sport and Fitness Management
- Teaching Content Area

Certifications

- High School: AAFCS-Education Fundamentals
- American Heart Association: CPR
- American Heart Association-First Aid
- Gateway Level 1
- Harper Conversational Spanish
- Library Assistant
- Paraprofessional

Work-Based Learning Experiences

- Education Academy
- Industry Mentorship
- Internship
- Micro Internship
- College Inquiry into Teaching
- Introduction to Teaching Methods

Future Careers

- Coach
- Education Administrator
- High School-Secondary Teacher
- Librarian
- Multicultural
- ESY Teacher
- School Counselor
- Teaching Content Area



Career Pathways

Government and Public Administration

Human and Public Services (HPS)

Government and Public Administration

This career cluster prepares students who want to pursue careers in local, state or federal government for roles in national security, foreign service, planning, revenue and taxation, and regulations. These pathways include opportunities for work-based learning experiences and early college credit.

Pathways

International Relations	133
Government and Public Administration	137



Daniel Salgado-Alvarez

Student Spotlight

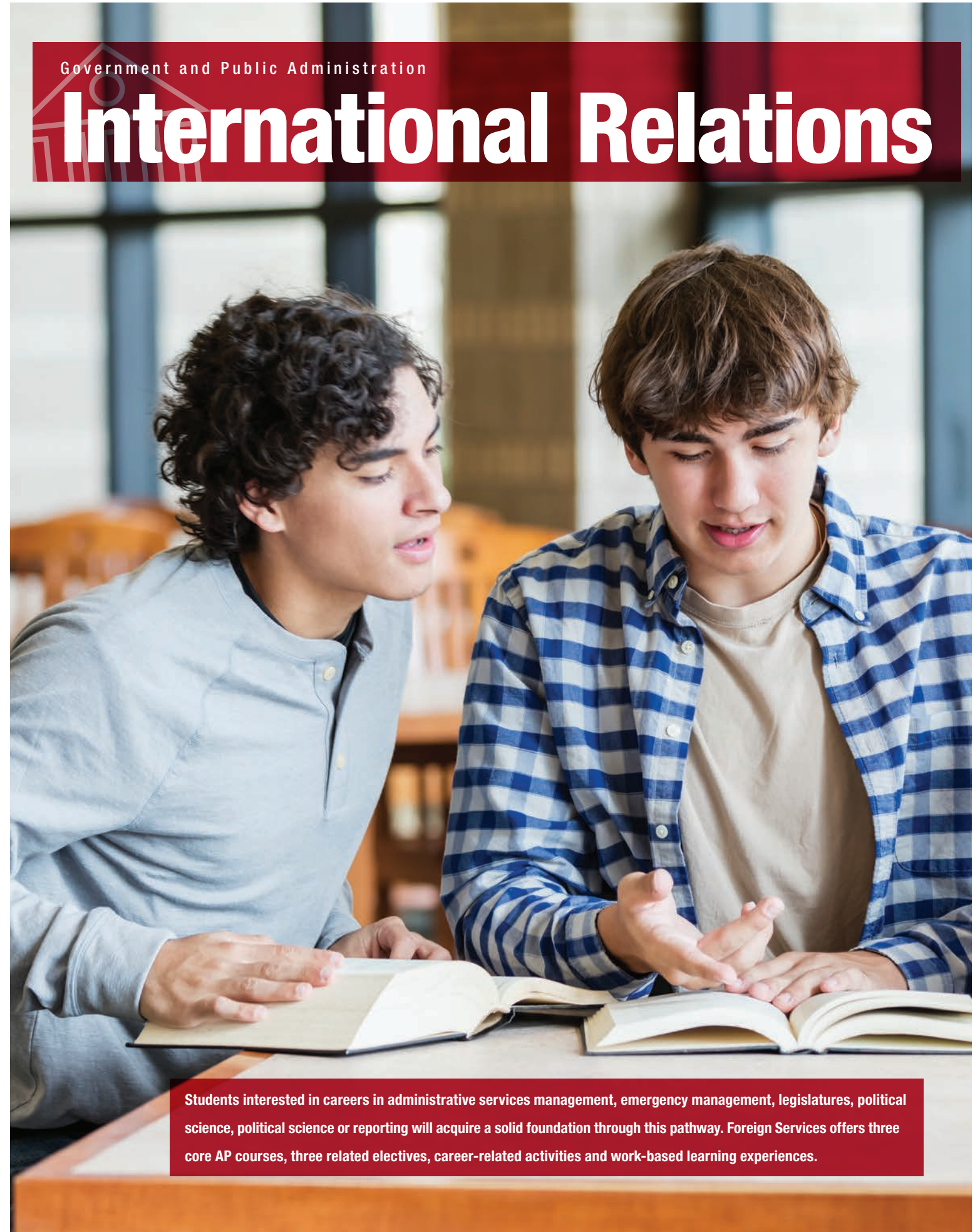
Daniel Salgado-Alvarez discovered his interest in politics during his sophomore year when he got involved in Estudiantes Unidos, a leadership program for Elk Grove High School students. Working with younger kids living in an unincorporated area, he realized they lacked access to resources such as a public library—and that inspired him to explore the practical impact of politics.

He switched from the Engineering Pathway to the Governance and Public Management and Administration Pathway during his

junior year, taking a variety of law and AP classes. This led to his involvement with a Congressional Hispanic Caucus Institute summer program, learning about different jobs that support members of Congress.

Daniel, who plans to major in political science in college, says Career Pathways helped him realize his passion for politics rather than engineering.

“ It can be a way to see if [you’re] interested in government or interested in healthcare. My advice would be to **find something you’re really into and just go for it 100 percent.**” - Daniel Salgado-Alvarez



Students interested in careers in administrative services management, emergency management, legislatures, political science, political science or reporting will acquire a solid foundation through this pathway. Foreign Services offers three core AP courses, three related electives, career-related activities and work-based learning experiences.

9 ▶ **10** ▶ **11** ▶ **12** ▶

International Relations

AP Psychology World Language	AP European History World Language	AP Government World Language	Middle Eastern Politics (BGHS) World Language
---------------------------------	---------------------------------------	---------------------------------	--

High School District 214 Graduation Requirements

English	English English English English Course Descriptions Section - Page 231	4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259	3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277	2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269	2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291	1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247	0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296 , Economics (07830) - Page 281 , Consumer Education (59940) - Page 281 .	0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.	⊛

Post Secondary

Career Related Electives

- AP Economics - Micro & Macro
- American Law
- College Macroeconomics
- College Microeconomics
- Constitutional Law
- Criminal and Civil Law
- College Legal Research and Argument (DC)
- Advanced Legal Concepts

Career Related Activities for the International Relations pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Leadership Council
- Naval Science (NJROTC)
- Speech Team
- Student Council
- Student Tutor

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

World Languages and the Seal of Biliteracy



District 214 offers world language programs in French, German, Spanish, Italian, Japanese, Mandarin Chinese and American Sign Language.

Students enrolled in world language programs have the opportunity to earn the Seal of Biliteracy, the state of Illinois' recognition for proficiency in English and one or more foreign languages. Students can receive the seal in languages taught in District 214 as well as for languages learned in classes outside the District. In addition to appearing on diplomas and transcripts, the seal provides students with an opportunity to earn early college credit.

All public community colleges and universities in the state of Illinois have established criteria on how early college credit is awarded. Information regarding this is available in the guidelines for each college and university.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

International Relations

College Majors

- Political Communication
- Political Science and Government
- Public Administration
- Public Policy Analysis

Certifications

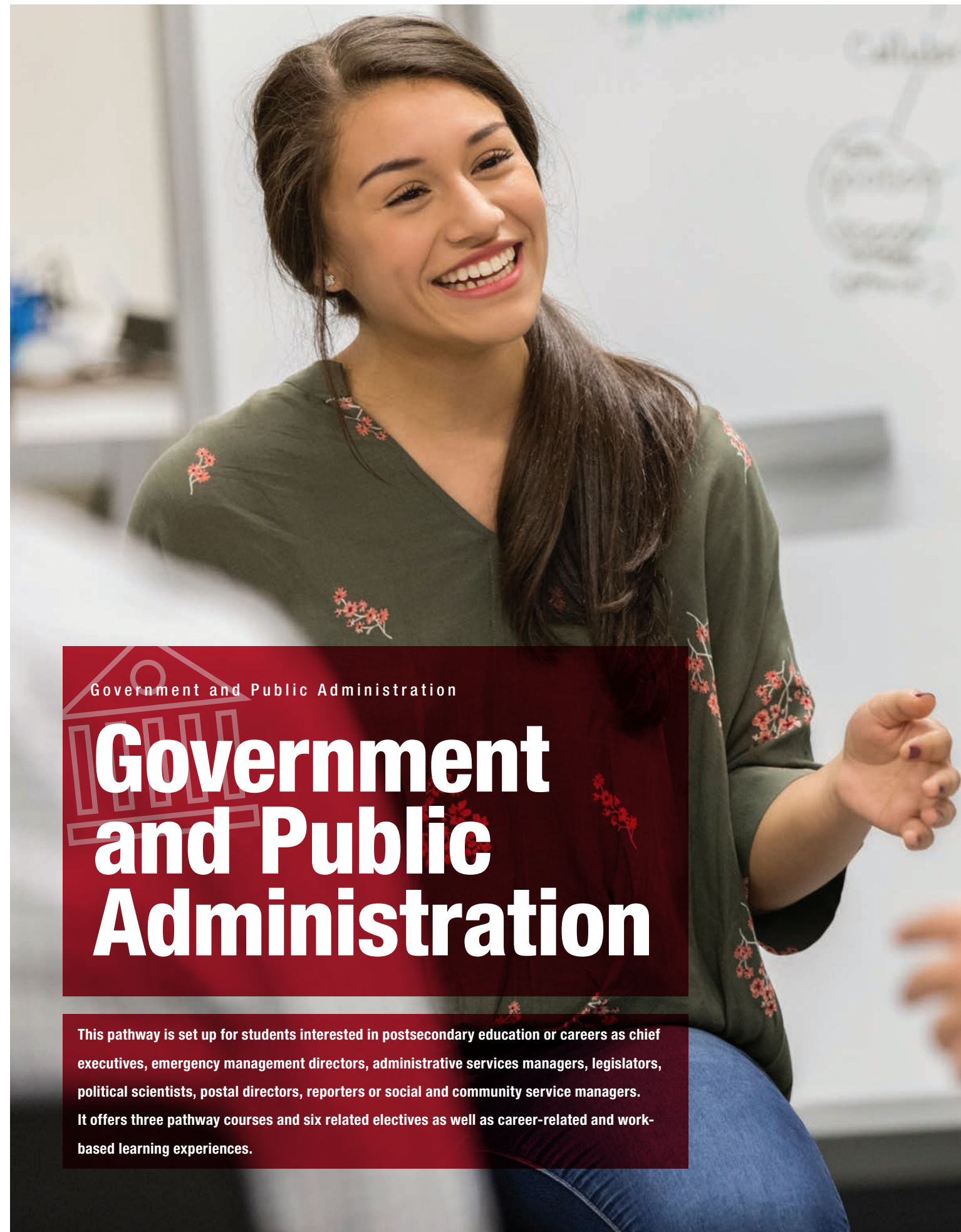
- Harper: Conversational Spanish
- Public Relations
- Public Relations for the Web

Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Administrative Services Manager
- Emergency Management Director
- General and Operations Manager
- Legislator
- Political Scientist
- Public Relations Specialists



Government and Public Administration

Government and Public Administration

This pathway is set up for students interested in postsecondary education or careers as chief executives, emergency management directors, administrative services managers, legislators, political scientists, postal directors, reporters or social and community service managers. It offers three pathway courses and six related electives as well as career-related and work-based learning experiences.

Government and Public Administration

9 ▶ 10 ▶ 11 ▶ 12 ▶

Government and Public Administration

American Law

Constitutional Law/
Criminal & Civil Law

AP Government

College Legal Research
and Argument (DC)/
Advanced Legal Concepts

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Human Geography
- AP Psychology
- AP Economics - Micro & Macro
- AP World History
- AP Statistics
- College Business (DC)
- College Macroeconomics (DC)
- College Microeconomics (DC)
- College Statistics (DC)
- Naval Science (NJROTC)
- World Language

Career Related Activities for the Government and Public Administration pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Leadership Council
- Naval Science (NJROTC)
- Speech Team
- Student Council
- Student Tutor

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Learning, Experience, Apprenticeships, Pathways Program



The LEAP Program (Learning, Experience, Apprenticeships, Pathways) helps District 214 students who are residents of Mount Prospect gain vital skills and hands-on experiences in various industries throughout the community and serves to further develop the career talent pipeline in the Mount Prospect area.

The partnership is aligned with District 214's Center for Career Discovery and Career Pathways program, which provides students with career-focused courses and real-life experiences to explore careers and discover their future.

As part of the LEAP Program, the District and Mount Prospect also have a local government initiative, which gives students an inside look at how municipal government effectively serves the residents of Mount Prospect.

Students spend four days each semester working within the various departments at Village Hall. Through their experiences, they develop a 30-hour project to solve a local community, business or government need. Students present their findings at the end of the semester.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).

Government and Public Administration

College Majors

- American Government and Politics/City/Urban
- Community and Regional Planning
- Political Communication
- Political Science and Government
- Public Administration
- Public Policy Analysis
- Urban Studies/Affairs

Certifications

- Harper: Conversational Spanish
- Building Codes and Enforcement
- Emergency and Disaster Management
- Public Relations
- Public Relations for the Web

Work-Based Learning Experiences

- Industry Mentorship/Internship
- Micro Internship

Future Careers

- Administrative Services Manager
- Chief Executive
- Emergency Management Director
- General and Operations Manager
- Legislator
- Political Scientist
- Postmaster and Mail Superintendent
- Public Relations Specialists
- Reporters and Correspondent
- Social and Community Service Manager



Career Pathways

Human Services

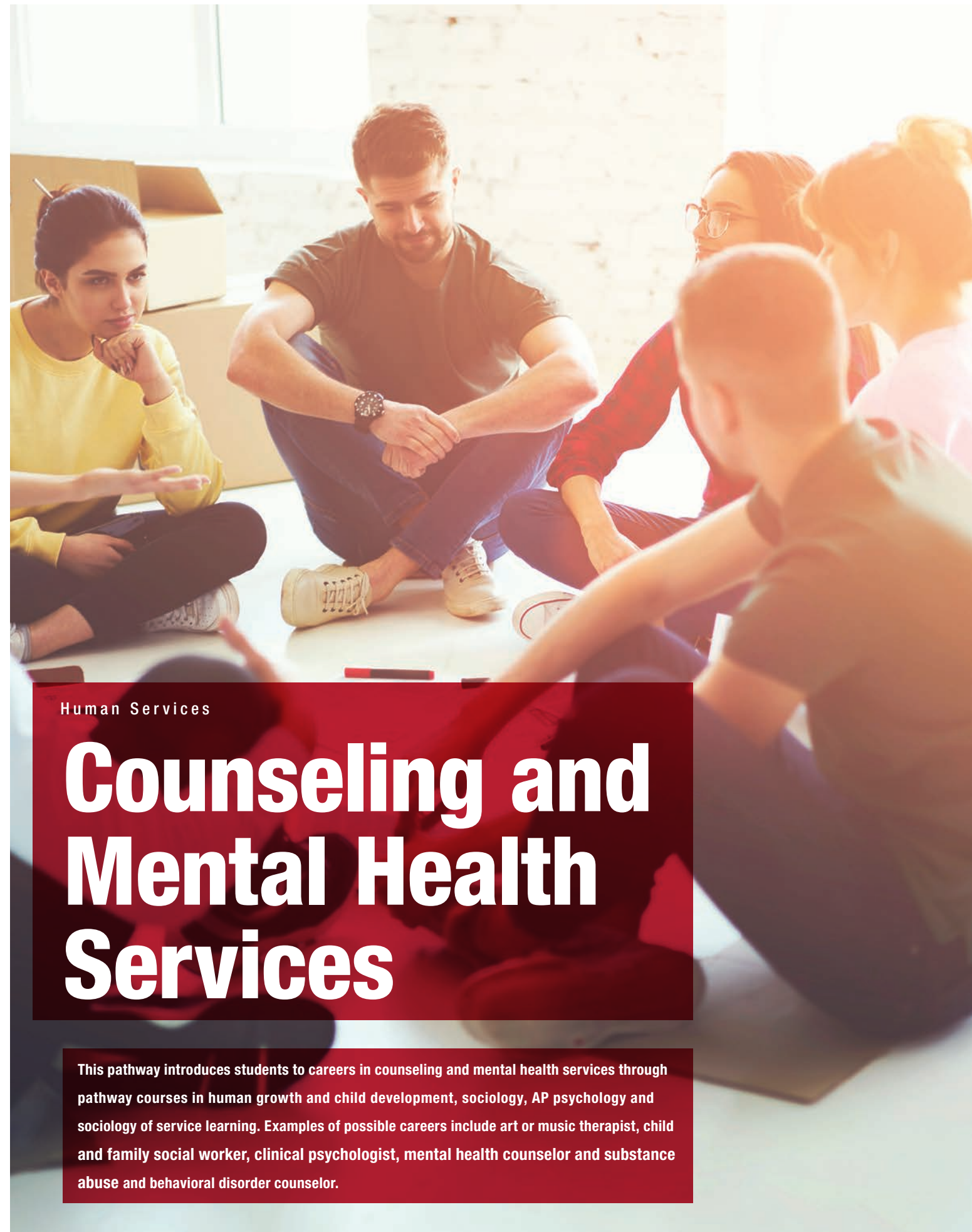
Human and Public Services (HPS)

Human Services

Pathways in this career cluster prepare students for careers in counseling and mental health services, family and community services and personal care and consumer services. Students will receive education and practical work experience that will allow them to begin their careers after high school graduation or to continue their studies through postsecondary education.

Pathways

Counseling and Mental Health Services	143
Exercise, Physiology and Kinesiology	147



Human Services

Counseling and Mental Health Services

This pathway introduces students to careers in counseling and mental health services through pathway courses in human growth and child development, sociology, AP psychology and sociology of service learning. Examples of possible careers include art or music therapist, child and family social worker, clinical psychologist, mental health counselor and substance abuse and behavioral disorder counselor.

Counseling and Mental Health Services

9 ▶ 10 ▶ 11 ▶ 12 ▶

Counseling and Mental Health Services

Foundations of Learning
Introduction to Teaching Methods

Sociology of Service Learning

Sociology
AP Psychology

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Small Business Management
- Education Academy

Career Related Activities for the Counseling and Mental Health Services pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Family Career and Community Leaders of America (FCCLA)
- Peer Mentor
- Service Learning
- Student Council
- Student Tutor

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Counseling and Mental Health Services

College Majors

- Community Health Services
- Family Counseling
- Mental and Social Health Services
- Psychology
- Social Work
- Substance Abuse and Addiction Counseling

Certifications

- Harper: Activity Director

Work-Based Learning Experiences

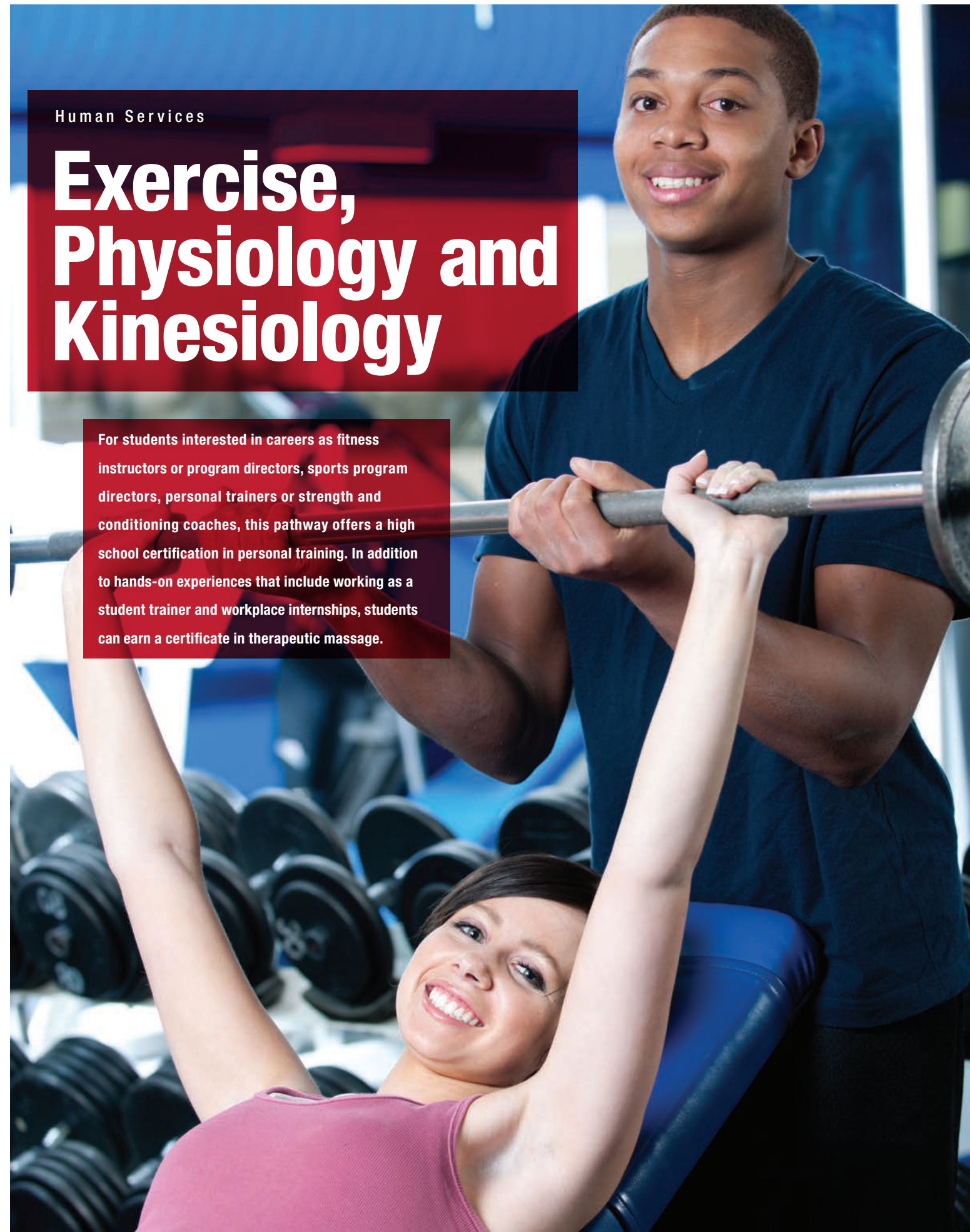
- Industry Mentorship
- Internship
- Micro Internship
- Small Business Management

Future Careers

- Art Therapist
- Child and Family Social Worker
- Clinical, Counseling and School Psychologist
- Mental Health Counselor
- Music Therapist
- Substance Abuse and Behavioral Disorder Counselor

Exercise, Physiology and Kinesiology

For students interested in careers as fitness instructors or program directors, sports program directors, personal trainers or strength and conditioning coaches, this pathway offers a high school certification in personal training. In addition to hands-on experiences that include working as a student trainer and workplace internships, students can earn a certificate in therapeutic massage.



Exercise, Physiology and Kinesiology

9 ▶ 10 ▶ 11 ▶ 12 ▶

Exercise, Physiology and Kinesiology

	<p>Exercise Physiology (BGHS & PHS)</p> <p>Introduction to Health Careers (WHS, EGHS, JHHS, RMHS)</p>	<p>Introduction to Healthcare Field 2/College Medical Terminology</p> <p>Human Physiology/College Medical Terminology (BGHS)</p>	<p>Personal Trainer Certification</p>	<p>College Basic Care and Prevention of Athletic Injuries (DC)</p> <p>College Advanced Strength and Conditioning</p>
High School District 214 Graduation Requirements				
English	English English English English Course Descriptions Section - Page 231			4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259			3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277			2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269			2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291			1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247			0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.			0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.			⊛

Post Secondary

Career Related Electives

- AP Psychology
- AP Biology
- AP Chemistry
- Human Physiology
- Small Business Management

Career Related Activities for the Exercise Physiology and Kinesiology pathway

- Athletics
- District Career Days
- District Career Treks
- Student Trainer

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

*This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).



Exercise, Physiology and Kinesiology

College Majors

- Coaching Education
- Exercise Science
- Health Fitness Specialist
- Kinesiology

Certifications

- High School: Personal Training
- Harper: Therapeutic Massage

Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship
- Small Business Management
- Student Trainer

Future Careers

- Fitness Instructor
- Fitness Program Director
- Personal Trainer
- Sports Program Director
- Strength and Conditioning Coach



Career Pathways

Law, Public Safety, Corrections and Security

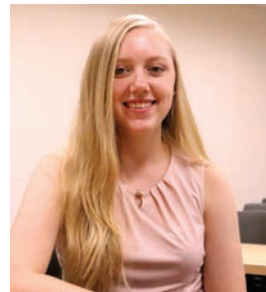
Human and Public Services (HPS)

Law, Public Safety, Corrections and Security

Pathways in this cluster prepare students for careers or continuing education in law enforcement and corrections, emergency and fire management, and legal services. In addition to pathway courses and related electives, the cluster offers certifications, mentorships, internships, microinternships and Mock Trial experience, with students working with practicing attorneys to prepare for trial competitions.

Pathways

Criminal Justice	153
Emergency and Fire Management Services	157
Law	161



Aryana Thompson

Student Spotlight

An elective in eighth grade, Career Connections, led Aryana Thompson to the Legal Services Pathway in her freshman year at John Hersey High School. Setting her sights on becoming an attorney, she hasn't looked back.

Aryana started with an American Law class, which led to AP Government, Constitutional Law and Criminal/Civil Law, among

other courses. In addition, she actively pursued internships with a large law firm, a small firm and the Cook County Clerk's Office. She also took enrichment programs through John Marshall Law School, the Summer Legal Institute and the Constitutional Rights Foundation of Chicago.

“ [The pathway] really prepared me for my future. I feel like I already know where I want to go. It gives me more direction now. **Knowing I'm already interested in law** will set me up so I can prepare for the LSAT and look for law schools while I'm in college.” - Aryana Thompson



Law, Public Safety, Corrections and Security

Criminal Justice

This pathway is designed for students who want to pursue careers such as correctional officers, court reporters and paralegals, detectives and criminal investigators, police officers, sheriffs and private security. Students explore their options through legal-focused classes, extracurriculars, and work-based learning experiences, including practicums with local police departments.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Criminal Justice

American Law

Constitutional Law/
Criminal & Civil Law

AP Psychology

Introduction to Criminal
Justice (DC)/ Introduction
to Corrections (DC)

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Sociology
- Naval Science (NJROTC)
- College Legal Research and Argument (DC)
- Advanced Legal Concepts
- Sociology of Service Learning

Career Related Activities for the Criminal Justice pathway

- Athletics
- Debate Team
- District Career Days
- District Career Nights
- District Career Treks
- Service Learning
- Speech Team
- Student Council

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

College Legal Research and Legal Concepts



College Legal Research and Legal Concepts is a class that exposes students to civil law, criminal law and the appeals process.

This class is offered at the schools in the district that have a mock courtroom, which includes a jury area and was made to look like a real courtroom. Students do legal research and prepare for criminal and civil cases. They also learn about the appeals process in this course.

The course is taught by Rita Thompson, who is a lawyer and is able to offer an inside perspective. One semester of this full-year course is dual credit through Eastern Illinois University. Most of the students that take this course are seniors, but there are also juniors in the program.

Providing a connection with the community, guest speakers such as attorneys and law enforcement professionals come into the classroom to talk with the students about their real-life experiences.

The course also involves students being part of a Mock Trial team that participates in competitions.

Criminal Justice

College Majors

- Corrections and Criminal Justice
- Court Reporter
- Forensic Science and Technology
- Paralegal

Certifications

- Harper: Emergency and Disaster Management
- Forensic Science Technician
- Law Enforcement and Justice Admin Degree
- Private Security
- Public Safety Dispatcher

Work-Based Learning Experiences

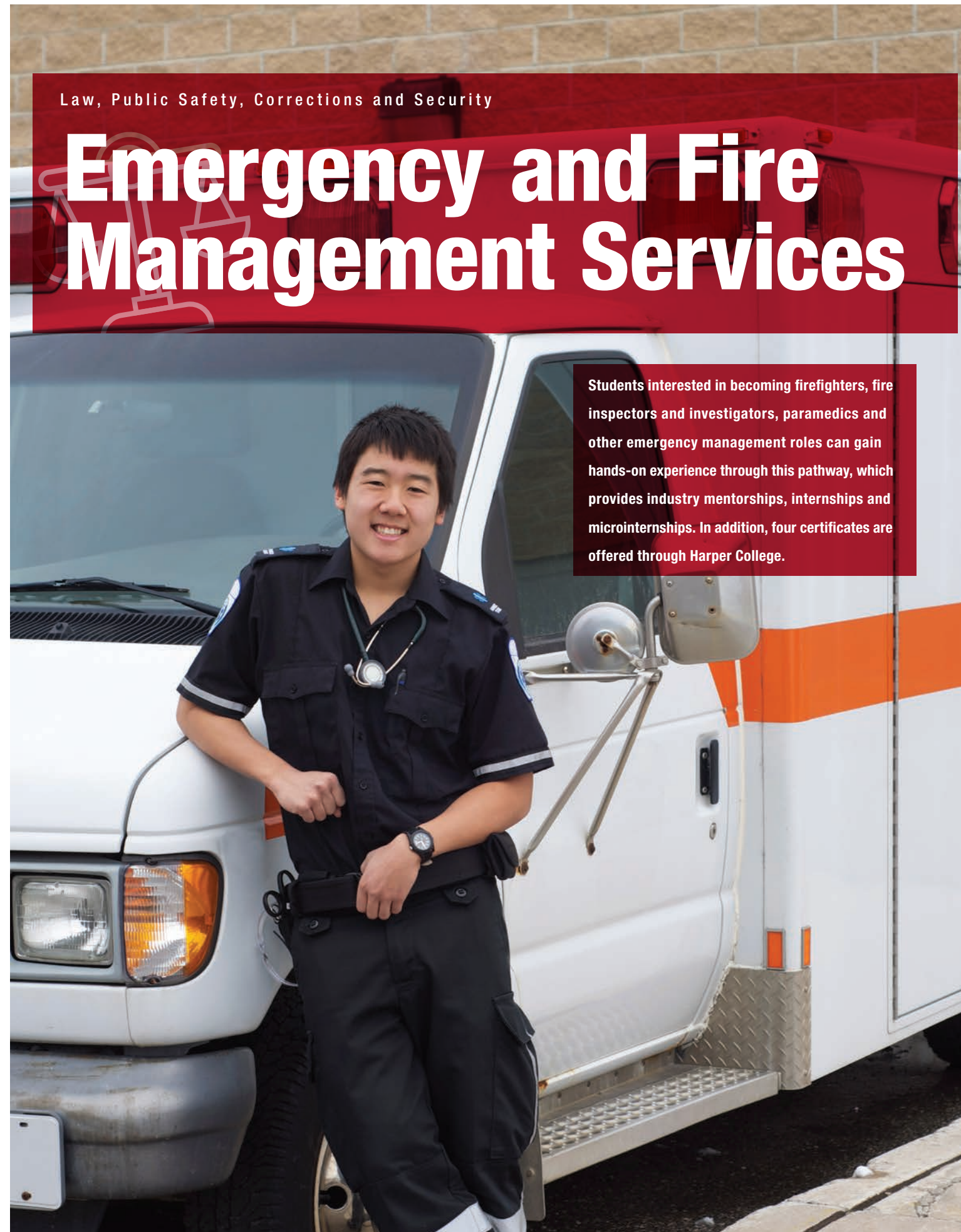
- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Arbitrator, Mediator and Conciliator
- Child, Family and School Social Worker
- Correctional Officer
- Court Reporter
- Paralegal
- Legal Assistant
- Criminal Investigator
- Detective
- Special Agent
- Forensic Science Technician
- Hearing Officer
- Immigration and Customs Inspector
- Police Officer
- Detective
- Private Security
- Sheriffs and Deputy Sheriff

Emergency and Fire Management Services

Students interested in becoming firefighters, fire inspectors and investigators, paramedics and other emergency management roles can gain hands-on experience through this pathway, which provides industry mentorships, internships and microinternships. In addition, four certificates are offered through Harper College.



Emergency and Fire Management Services

9 ▶ 10 ▶ 11 ▶ 12 ▶

Emergency and Fire Management Services

Introduction to Healthcare Field 1 (WHS, EGHS, JHHS, RMHS)

College Medical Terminology

AP Psychology

College Introduction to Fire Science (DC)/College Fire Behavior and Combustion (DC)

Middle College Healthcare at Harper College - Emergency Medical Services

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Human Anatomy and Physiology (DC)
- Human Physiology
- Naval Science (NJROTC)
- Sociology of Service Learning
- College Speech

Career Related Activities for the Emergency and Fire Management Service pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Service Learning

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Emergency and Fire Management Services

College Majors

- Fire Protection and Safety Technician
- Fire Science
- Fire Fighting
- Fire Services Administration

Certifications

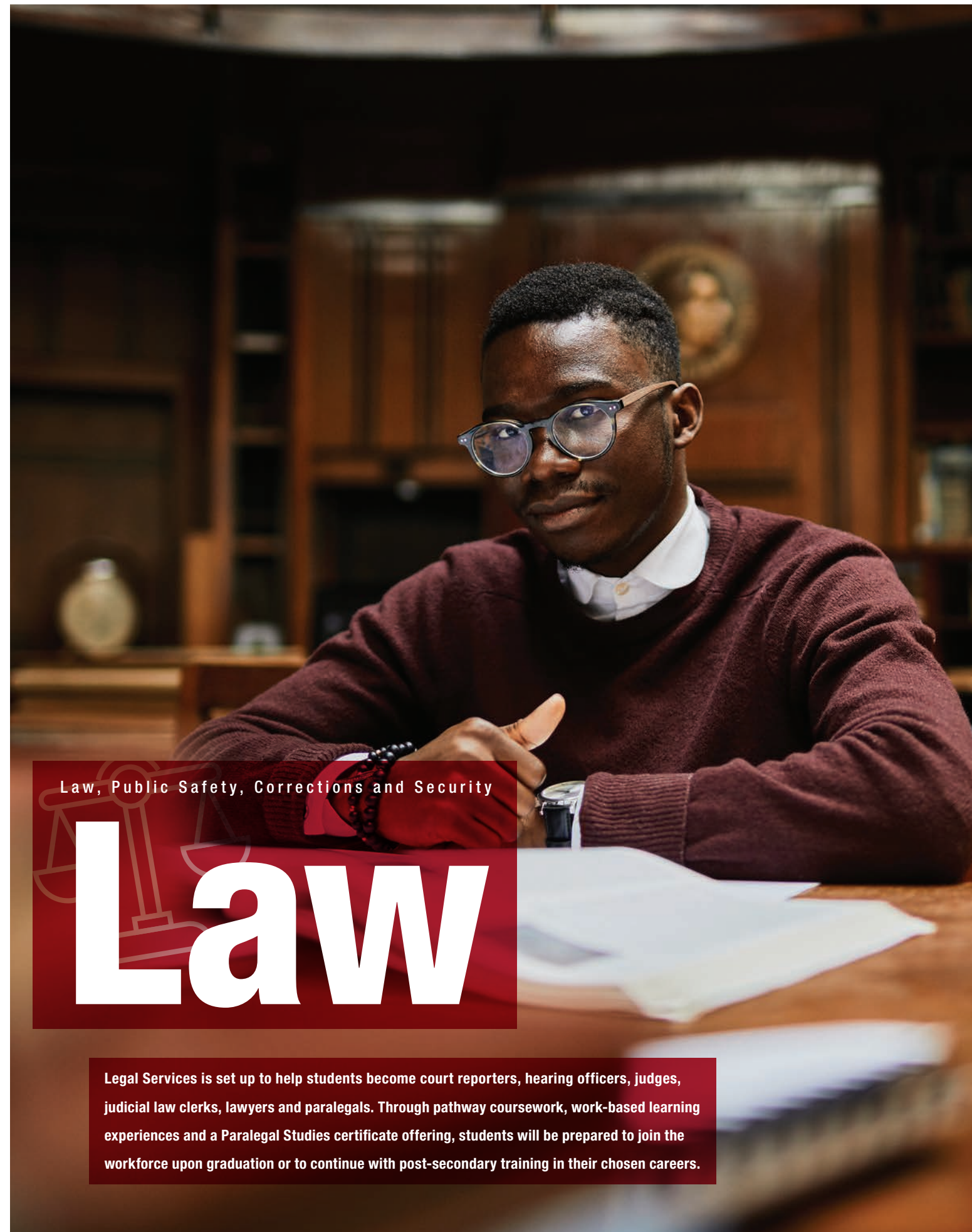
- Harper: Emergency and Disaster Management
- Public Safety Dispatcher
- Emergency Medical Services: EMT Basic
- Paramedic

Work-Based Learning Experiences

- Industry Mentorship
- Internship/Micro Internship

Future Careers

- Correctional Officer
- Emergency Management
- Fire Inspector
- Fire Investigator
- Firefighter
- First Line Supervisors of Fire Fighting and Prevention Worker
- Forest Fire Inspector
- Firefighter
- Paramedic



Law, Public Safety, Corrections and Security

Law

Legal Services is set up to help students become court reporters, hearing officers, judges, judicial law clerks, lawyers and paralegals. Through pathway coursework, work-based learning experiences and a Paralegal Studies certificate offering, students will be prepared to join the workforce upon graduation or to continue with post-secondary training in their chosen careers.

9 10 11 12

Law

American Law

Constitutional Law/
Criminal Law

Advanced Legal Concepts

College Legal Research
and Argument (DC)

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Economics - Micro & Macro
- AP US Government and Politics
- AP Psychology
- College Macroeconomics
- College Microeconomics
- College Middle Eastern Politics (DC)
- Sociology of Service Learning
- Sociology
- World Language

Career Related Activities for the Law pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- Service Learning
- Speech Team
- Student Council

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Law and Equity Pathway



District 214's Law and Equity Pathway launched in 2017 to educate students about the operation of America's legal system. Through the pathway, students interested in law or related legal professions—from police officers and FBI agents to crime scene investigators and forensic science technicians—learn the introductory skills they need for success.

For example, the Advanced Legal Concepts and Issues course exposes students to civil law, criminal law and the appeals process. The course is taught by District 214 teachers, two of whom hold Juris Doctor degrees. One semester of this full-year course offers dual credit through Eastern Illinois University. Most of the students who take this course are seniors, although the class is open to juniors as well.

As part of the pathway's courses, teachers regularly host area experts, inviting judges, attorneys, police officers and others to talk with students about their day-to-day experiences. Students also are able to take real-world internships and, in many cases, work with practicing attorneys on Mock Trial teams. Mock Trial prepares students for simulated trials in competitions such as the Northwest Suburban Bar Association's Annual Mock Trial Invitational.

To help prepare students, District 214 has converted classrooms at Buffalo Grove, Elk Grove, John Hersey and Wheeling high schools into simulated courtrooms to familiarize students with a courtroom setting while also giving them opportunities to practice trial law in a courtroom. The Elk Grove courtroom has been underwritten in part by a generous donor.

Law

■ College Majors

- Political Science
- Economics
- History
- English
- Philosophy
- Business
- Paralegal Studies
- Court Reporter Certificate

■ Certifications

- Harper: Paralegal Studies

■ Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship
- Mock Trial

■ Future Careers

- Arbitrator
- Court Reporter
- Hearing Officer
- Judge
- Judicial Law Clerk
- Lawyer
- Legal Assistant
- Paralegal

(IT)
Information Technology



Information Technology

Information Technology and Network Systems	169
Cybersecurity	173



Career Pathways

Information Technology

Information Technology (IT)

Information Technology

Students interested in careers in IT, such as design, development, hardware, software, cybersecurity and systems integration services will gain knowledge and practical experience in this career cluster. Each pathway offers a combination of required courses, related electives, early college credit and activities such as WildStang FIRST Robotics and Robot Rumble. Students can also participate in IT internships or cybersecurity youth apprenticeships to continue building their skills.

Pathways

Information Technology and Network Systems	169
Cybersecurity	173

Student Spotlight

Bob Voss wants to work in information technology one day so he signed up for the Network Systems/Information Support Services Pathway at Rolling Meadows High School. The pathway offers a wide variety of high school and certificate programs in addition to college-level IT courses.

Bob also gained valuable experience by being chosen for District 214's first Youth Apprenticeship program in cybersecurity during

his junior year. Apprentices get practical, hands-on experience in the workplace as well a federal certification as a cybersecurity technician and certifications and 20 college credits through coursework at Moraine Valley Community College.

For Bob, the pathway and apprenticeship program provided a solid foundation for college and the future.

“ I would like to do something like a cybersecurity officer. I'd like to be in a position where I could [supervise] either a district or a company, or a job in the government working with the NSA.” - Bob Voss



Information Technology

Information Technology and Network Systems

This pathway is open to students interested in careers as computer and information research scientists and system managers, computer network architects and support specialists, computer programmers, computer systems analyst, use support specialists and systems or database administrators. In addition to pathway courses and electives that earn college credits, the pathway offers four high school certifications and 12 Harper College certifications.

Information Technology and Network Systems

9 ▶ 10 ▶ 11 ▶ 12 ▶

Information Technology and Network Systems

Computer Programming
Mobile APP Development
and Networking

College IT Fundamentals (DC)
College A+ Operating
Systems Technology (DC)

College A+ Hardware (DC)
College Computer
Networking (DC)

Advanced Network
Systems and Cybersecurity

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Calculus
- AP Computer Science Principles
- AP Physics
- AP Statistics
- Robotics

Career Related Activities for the Information Technology and Network Systems pathway

- Athletics
- Computer Clubs
- District Career Days
- District Career Nights
- District Career Treks
- Math Team
- Robot Rumble
- Theater Tech Crew
- Wildstang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Moraine Valley/IT Partnership



Cybersecurity, which offers a growing number of careers across a variety of industries, is an expanding area of study for District 214. To help students be prepared as possible in this area, the District partners with Moraine Valley Community College to offer strategic college credits in cybersecurity.

The college partners with District 214 on two courses: Orientation to IT Professions and Security Awareness. Students can earn college credit in both courses. Additionally, District 214 has worked with Moraine Valley to offer a capstone apprenticeship program to students who complete the college's coursework for the Network Security Specialist Certificate as well as on-the-job training as apprentices employed by District 214's Technology Department.

Moraine Valley is home to the Center for Systems Security and Information Assurance, and was among the first six community colleges in the nation to be recognized as a Center of Academic Excellence 2-Year, a top designation by the National Security Agency and Department of Homeland Security, making it a valuable partner for District 214.

Information Technology and Network Systems

College Majors

- Computer Engineering
- Computer Information Systems
- Computer Science
- Information Technology
- System Administration
- Web Page-Multimedia

Certifications

- High School: CompTIA-IT Fundamentals
- CompTIA A+
- CompTIA Network+
- CompTIA Security+
- Harper: Cisco CCNA Network Specialist
- CISCO CCNA Security Specialist
- Computer and Network Support Technician
- Computer Support Technician
- Database Management
- MCSA Data Platform:SQL Server 2012 Database
- MCSA: Windows Server 2012
- Oracle Database Administrator
- Network Administration
- Network Support Technician
- Networking Fundamentals

Work-Based Learning Experiences

- Apprenticeship
- Industry Mentorship
- Internship
- Micro Internship
- Wildstang FIRST Robotics

Future Careers

- Computer and Information Research Scientist and System Manager
- Computer Network Architect and Support Specialist
- Computer Programmer
- Computer Systems Analyst
- Computer User Support Specialist
- Network and Computer Systems or Database Administrator

Cybersecurity



Students who are planning careers in programming and software development, such as system manager, computer hardware engineer, computer operator and programmer, security analyst and software developer, will acquire advanced skills as well as college credits in this pathway. It also offers 12 Harper College certificates, practical work-based experience and an opportunity for apprenticeships in the district's new youth apprenticeship program.

9 ▶ 10 ▶ 11 ▶ 12 ▶

Cybersecurity

Computer Programming
Mobile App Development
and Networking

AP Computer Science
Principles/Mobile Apps
Development 2

AP Computer Science A
College Cybersecurity
and Mobility (DC)

D214 Apprenticeship:
Cybersecurity

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Statistics
- College Statistics (DC)
- College Entrepreneurship (DC)
- Graphic Arts Design
- Robotics

Career Related Activities for the Cybersecurity pathway

- Athletics
- Computers Club
- District Career Days
- District Career Nights
- District Career Treks
- Math Team
- Robot Rumble
- Theatre Tech Crew
- WildStang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Apprenticeship



District 214 set up the Youth Apprenticeship program to establish student apprenticeships with local employers. It is one of the first apprenticeship programs in the country to be created and managed by a school district rather than bringing in external organizations to run the program, according to Jobs for the Future, a leading workforce research organization.

Apprentices are selected for the program in their junior year of high school. They get 20 to 30 hours a month of paid job training during the second semester in addition to college coursework and mentoring. During the summer, they work up to 28 hours a week to expand their skills. At the end of the program, students receive either a federally registered apprenticeship certification or a youth apprenticeship certification in addition to up to a year of college credits.

During the program's pilot year, the District opted to use its own facilities for job placements in cybersecurity, HVAC (heating, ventilation, air conditioning) and automotive services to streamline the process.

■ College Majors

- Artificial Intelligence and Robotics
- Computer Information Systems
- Computer Engineering
- Computer Programming
- Computer Science
- Information Technology
- System Administration
- Web Page-Multimedia

■ Certifications

- Harper: Accessible Web Design and Compliance
- Interactive Website Design
- iPhone Applications Development
- Java Programmer
- MCSA Data Platform: SQL Server 2012 Database
- Oracle Database Administrator
- MCSA: Web Applications
- Microsoft Specialist: Visual Studio
- Web Maintenance and Design
- Software Development
- Web Development
- Web Visual

■ Work-Based Learning Experiences

- Apprenticeship
- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Wildstang FIRST Robotics

■ Future Careers

- Computer and Information Research Scientist and System Manager
- Computer Hardware Engineer
- Computer Network Architects and Support Specialist
- Computer Operator and Programmer
- Computer Science or Engineering Teacher
- Computer Systems or Information Security Analyst
- Computer User Support Specialist
- Multimedia Artist and Animator
- Network and Computer System or Database Administrator
- Software Developer: Applications or System Software

(METT)

Manufacturing, Engineering, Technology and Trades



Architecture and Construction

Architecture	181
Building Trades	185



Manufacturing

Fashion	191
Manufacturing	195



Science, Engineering and Mathematics

Engineering	201
Actuarial Science	205



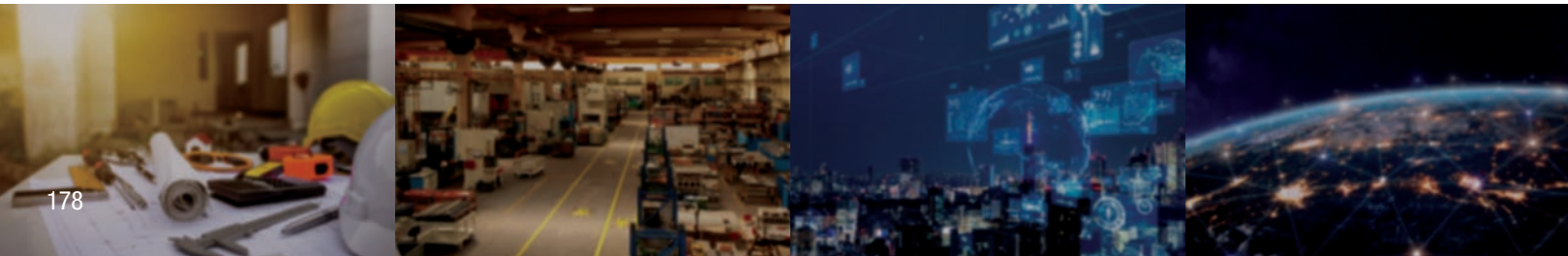
Transportation, Distribution and Logistics

Automotive Service	211
Aviation	215
Heating, Ventilation and Air Conditioning (HVAC)	219



Career Pathways

Architecture and Construction



Manufacturing, Engineering, Technology and Trades (METT)

Architecture and Construction

Pathways in Architecture and Construction are designed to prepare students for careers in architecture and the building trades, such as construction, engineering, HVAC, carpentry and plumbing. This career cluster offers multiple certifications in addition to hands-on experience through the District's Practical Architectural Construction (PAC) program.

Pathways

Architecture	181
Building Trades	185

Student Spotlight

Interested in interior design, Crystal Jones took the Architecture Pathway as a student at Wheeling High School. Her classes included Project Lead the Way courses in Industrial Engineering Design, Civil Engineering and Architecture, and Principles of Engineering Design.

During her senior year, District 214 introduced Design214, giving students the opportunity to design actual commercial and residential spaces. As a

member of a team that created floor plans for Lewis University's potential new space at Chicago Executive Airport, Crystal learned how to use industry tools and software. She also dealt with real-world areas such as budgets, residential variances and easements, and permitting processes.

“This course has helped me discover my future by **confirming that interior design is something I want to do**. It's helped me grow more excited ... and gain more experience as a designer so I can see what my day-to-day life would be like as a designer.”
- Crystal Jones

Architecture and Construction

Architecture



This pathway is set up to help students become architects, civil engineering technicians, interior designers and landscape architects. Through Project Lead the Way (PLTW) pathway coursework, work-based learning experiences and Harper College certificate offerings in AutoCAD Designer and Revit Architectural Designer, students will be prepared to join the workforce after graduation or to continue with postsecondary training in their chosen fields.

9 10 11 12

Architecture

PLTW Introduction to Engineering Design

PLTW Civil Engineering and Architecture
Geometry in Construction

PLTW Principles of Engineering Design

Design 214: Architectural Design (application required)
College Practical Architectural Construction

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Art 1
- College Entrepreneurship (DC)
- Graphic Art Design
- AP Physics C

Career Related Activities for the Architecture pathway

- Athletics
- Architectural Showcase
- District Career Days
- District Career Nights
- District Career Treks
- Robot Rumble
- Skills USA
- Wildstang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Design214



The Design214 course gives students interested in building-related careers the opportunity to design a home or building and possibly see their plans come to life.

The goal of the course is to teach students how residential and commercial buildings are planned and constructed. Students learn how to deal with real-world factors when designing these spaces—budgets, residential variances and easements, exterior landscapes and the permitting process.

They also design and draw their own site plans, including floor plans, elevations and kitchen layouts. As part of the course, students are introduced to computer-aided drafting and how it relates to the field of architecture.

The majority of students in Design214 have taken at least one engineering course and want to pursue careers in construction, interior design, architecture or real estate.

The class is taught after school during the second semester at the District office in Arlington Heights.

Architecture

College Majors

- Architectural Drafting
- Architectural Engineering
- Architecture/CAD/CADD
- Drafting Technician
- Civil Drafting and Civil Engineering
- Drafting/Design Engineering Technicians
- Electrical
- Electronics CAD/CADD
- Environmental Design
- Architecture
- Mechanical Drafting CAD/CADD

Certifications

- AutoCAD Designer
- Revit Architectural Designer

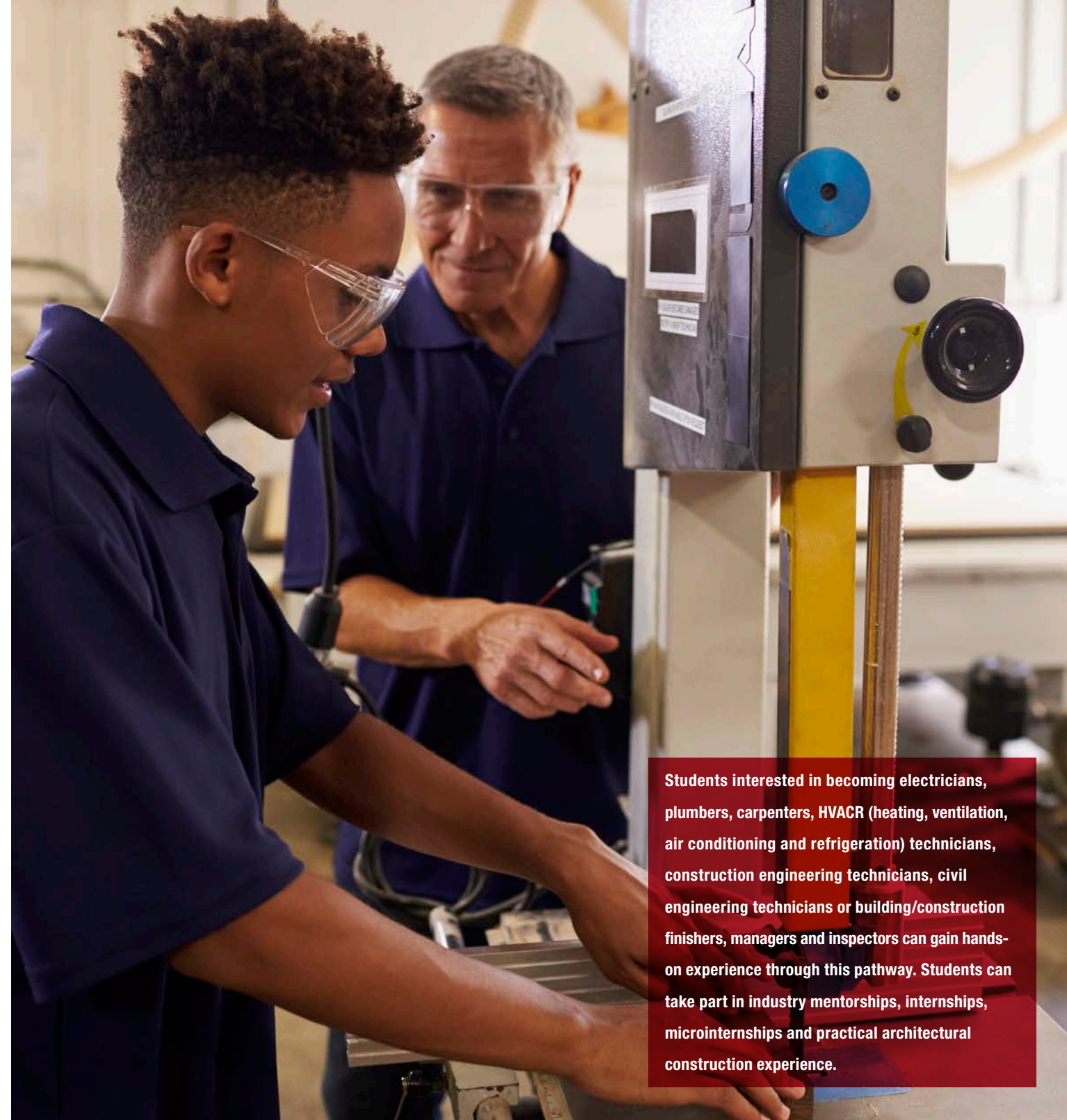
Work-Based Learning Experiences

- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Architects
- Civil Draftsman
- Civil Engineering Technician
- Electrical and Electronics Draftsman
- Engineering Technician
- Interior Designer
- Landscape Architect
- Mechanical Draftsman
- Operations Research Analyst

Building Trades



Students interested in becoming electricians, plumbers, carpenters, HVACR (heating, ventilation, air conditioning and refrigeration) technicians, construction engineering technicians, civil engineering technicians or building/construction finishers, managers and inspectors can gain hands-on experience through this pathway. Students can take part in industry mentorships, internships, microinternships and practical architectural construction experience.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Building Trades

Computer Aided Design for Architecture, Engineering and Construction

Advanced Computer Aided Design for Architecture, Engineering and Construction

Geometry In Construction

PLTW Intro to Engineering Design

College Practical Architectural Construction (DC) (application required)

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Introduction to Business
- Small Business Management

Career Related Activities for the Building Trades pathway

- Athletics
- Architectural Showcase
- District Career Days
- District Career Nights
- District Career Treks
- Robot Rumble
- Skills USA
- Wildstang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



PAC program



Practical Architectural Construction (PAC) launched in 1985 as a home construction program that gives students the opportunity to work together to build one single-family home every two years.

The program, a dual credit program with Triton College, offers hands-on experience in all areas of construction, from laying foundations to finishing structures. Under the supervision of program instructors, students get experience in such areas as demolition, flooring, cabinets, tile work, plumbing and electric. The program uses local subcontractors to handle concrete, heating and other more advanced areas.

When the home is finished, it is sold and the proceeds go toward the purchase of a new house for the next project. Single family houses built through this unique program are located in Arlington Heights, Buffalo Grove, Mount Prospect, Prospect Heights, Rolling Meadows and Wheeling.

Students enrolled in PAC can also participate in SkillsUSA, a statewide competition for students involved in the trades.

Building Trades

College Majors

- Building
- Construction Management
- Construction Engineering Technology
- Energy Management and Systems Technology
- Heating, Air Conditioning and Refrigeration Technology

Certifications

- Commercial Maintenance
- Supervisory Maintenance

Work-Based Learning Experiences

- Apprenticeship
- Entrepreneurship
- Industry Mentorship
- Internship
- Micro Internship
- Practical Architectural Construction
- Small Business Management

Future Careers

- Architectural Engineering Technician
- Building/Construction Finishing, Management and Inspection
- Civil Engineering Technology Technician
- Drafting CAD/CADD
- Electrician
- Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technician
- Carpenter
- Plumber



Career Pathways

Manufacturing

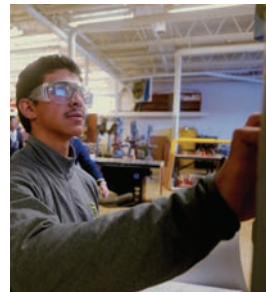
Manufacturing, Engineering, Technology and Trades (METT)

Manufacturing

The Manufacturing career cluster teaches students how to plan, manage and process materials into intermediate or final products through production planning and control, maintenance and manufacturing/process engineering. It offers a variety of certification opportunities as well as advanced courses where students can earn college credits.

Pathways

Fashion	191
Manufacturing	195



Oscar Gonzalez

Student Spotlight

Oscar Gonzalez didn't know what manufacturing could offer until he took a course at Elk Grove High School. Soon he was engaged in the Manufacturing Pathway, learning how to work with high-tech tools and complex industrial equipment, such as lathes and mills through Project Lead the Way and college-level courses.

The pathway also gave him the opportunity to meet with area manufacturing professionals through industry site visits and to

compete with other students in the national Skills USA competition. Among the industry certificates he earned was an industry-level safety certification from a national organization verifying his qualifications in the field.

By the time he graduated, Oscar was committed to pursuing manufacturing in college, combining his advanced math skills and with his desire to work with his hands.

“ I ... gained so much knowledge about what the industry looks like, I am always learning something new.” - Oscar Gonzalez



Manufacturing

Fashion

This pathway is open to students interested in becoming costume designers, fabric and apparel patternmakers, fashion designers, pattern designers, textile knitting and weaving machine operators and textile, apparel and furnishings workers. It offers courses in fashion design and fashion construction and provides students the opportunity to earn industry-level certifications in Advanced Patternmaking, Apparel Construction and Textiles.

9 ▶ 10 ▶ 11 ▶ 12 ▶

Fashion

Fashion Design

College Fashion Construction (DC)

College Fashion Merchandising (DC)

College Fashion Industry Career Practicum and Seminar

High School District 214 Graduation Requirements

English

English | English | English | English

Course Descriptions Section - Page 231

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)

Including one unit of Algebra I and one unit of Geometry.

Course Descriptions Section - Page 259

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)

Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.

Course Descriptions Section - Page 277

2.0 credit units

Science

Science | Science | Science (Recommended)

Course Descriptions Section - Page 269

2.0 credit units

Career & Technical Education

Career and Technical Education

Course Descriptions Section - Page 291

1.0 credit unit

Fine Arts

Fine Arts

Course Descriptions Section - Page 247

0.5 credit unit

Consumer Education

Consumer Education

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education

A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*

Course Descriptions Section - Page 319

Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Entrepreneurship (DC)
- Small Business Management
- Graphic Arts
- Photography
- Art 1

Career Related Activities for the Fashion pathway

- Athletics
- Family, Career and Community Leaders of America (FCCLA)
- District Career Days
- District Career Nights
- District Career Treks
- Theater Tech Crew

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Fashion Construction



The Fashion Construction Pathway provides students with the opportunity to learn how to construct clothing and accessory items that involve basic to more advanced sewing skills, such as skirts, button-down shirts, dresses, jackets, swimwear, jeans, tote bags and more.

In College Fashion Construction, students participate in the Harper College Little Black Dress Competition to gain real-world experience. Advanced students compete in the Harper Challenge Competition, with winning garments featured in the annual Harper Fashion Show.

Students who complete two of the courses can participate of the District's fashion internship program.

All of the program's courses except for Fashion Design are dual credit. They are offered at Buffalo Grove High School and Rolling Meadows High School. Students who are enrolled at other schools in District 214 will travel to one of these schools to take these courses during the school day at no expense to the students.

Fashion

College Majors

- Apparel Technology
- Textile Studies
- Fashion Design
- Fashion Studies
- Fashion Merchandising

Certifications

- Harper: Advanced Pattern Making

Work-Based Learning Experiences

- Entrepreneurship, Industry Mentorship
- Internship
- Micro Internship
- Small Business Management

Future Careers

- Costume Designer
- Fabric and Apparel Patternmaker
- Fashion Designer
- Textile Knitting and Weaving Machine Setter, Operator and Tender
- Textile, Apparel and Furnishings Worker



Manufacturing

Manufacturing

For students seeking careers in the manufacturing sector, this pathway offers four main pathway courses as well as eight high school certifications and nine Harper College certifications. This pathway is designed for students interested in becoming machinists, woodworkers, machine tool operators, tool and die makers, chemical equipment operators, and technicians in a variety of fields.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Manufacturing

Fabrication Technology I/II
 PLTW Introduction to Engineering Design

PLTW - Computer Integrated Manufacturing

College Advanced Machine Technology (DC)

College Advanced CNC Manufacturing (DC)

High School District 214 Graduation Requirements

English

English | English | English | English
 Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
 Including one unit of Algebra I and one unit of Geometry.
 Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
 Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
 Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
 Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
 Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
 Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
 Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
 A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
 Course Descriptions Section - [Page 319](#)
 Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

■ **Career Related Electives**

- Robotics
- PLTW Principles of Engineering

■ **Career Related Activities for the Manufacturing pathway**

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Robot Rumble
- Skills USA
- Theater Tech Crew
- Wildstang FIRST Robotics

■ **Four-Year University Admission Requirements**

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Manufacturing and NASA



District 214's Manufacturing Pathway provides students with state-of-the-art opportunities to earn early college credit and career credentials and complete real-world internships while in high school. In-school manufacturing laboratories, furnished with equipment donated or underwritten by partnering manufacturers, are supported by a curriculum designed in part by manufacturers that know what's needed in the industry.

For example, Buffalo Grove High School's Manufacturing Laboratory is getting a \$1 million, thanks to an alumnus donor, which will make it one of the most innovative labs in the state.

At Wheeling High School, students in manufacturing courses have been able to work directly with NASA, building brackets and handles that will be used on the International Space Station. The pieces will help astronauts move in zero gravity. Wheeling was one of 15 high schools in the country and the only in Illinois to participate.

The Northwest suburbs are home to many manufacturing companies, and a skills gap remains: Companies need well-trained employees to take on family-sustaining careers. District 214's manufacturing curriculum ensures that students who graduate high school are career ready, educating the next generation of manufacturers with the skills for success.

Manufacturing

College Majors

Electronic Equipment Installation
 Industrial Production Technologies
 Machine Tool Technologies
 Nuclear Power Technologies
 Sheet Metal Technology
 Tool and Die Technology
 Welding Technology
 Woodworking

Certifications

NIMS: Measurement, Material and Safety
 TMA: Related Junior Theory
 NIMS: Level 1 CNC Lathe Operator
 NIMS: Level 1 Certification- Mill Operation
 MSSC: Safety Certification
 MSSC: Quality Control
 HAAS: Basic Mill Operator
 HAAS: Basic Lathe Operator
 American Welding Society: Safety in Welding
 Manufacturing Basic
 Computer Numerical Control (CNC) Operator 1
 Computer Numerical Control (CNC) Operator II
 Manufacturing Production
 Advanced Welding
 Basic Pipe Welding
 Basic Welding
 Welding Fabrication

Work-Based Learning Experiences

Apprenticeship
 Industry Mentorship
 Internship
 Micro Internship
 Wildstang FIRST Robotics

Future Careers

Chemical Equipment Operator
 Civil Engineering Technician
 Computer-Controlled Machine Tool Operator
 Construction and Related Worker
 Electrical Engineering Technician
 Engineering Technician, Except Drafter
 Installation, Maintenance and Repair Worker
 Industrial Engineering Technician
 Machinist
 Mechanical Engineering Technician
 Occupational Health and Safety Specialist
 Tool and Die Maker
 Welding, Soldering and Brazing Machine Setter,
 Operators and Tender
 Woodworker



Career Pathways

Science, Engineering and Mathematics

Manufacturing, Engineering, Technology and Trades (METT)

Science, Engineering and Mathematics

The STEM career cluster is set up for students interested in science, technology, engineering and mathematics. Each pathway is designed to help students progress toward scientific and social science career areas, such as engineering, biology and statistics. Students can earn college credits, certifications and a strong foundation for postsecondary studies.

Pathways

Engineering	201
Actuarial Science	205



Maram Safi

Student Spotlight

Maram Safi was interested in engineering as a child but her decision to pursue a career in the industry came while at Elk Grove High School, where she was exposed to different types of engineering through District 214's Career Pathways program.

As part of the Engineering Pathway, Maram took four years of engineering and manufacturing courses. She also earned several

industry-level certifications while in high school certifying she knew how to use different equipment and machines.

Today, Maram is studying electrical engineering at the University of Illinois at Urbana-Champaign. The transition to college, she says, was smooth because of the real-world experiences the District provides in and out of the classroom.

“ I think everything in high school—all the classes I’ve taken and the connections I’ve made—has prepared me. I’m excited for the future.” - Maram Safi

Science, Engineering and Mathematics

Engineering

The engineering pathway is built on eight core courses, including seven in Project Lead the Way (PLTW), a program that offers as many as 15 college credits. This pathway also offers 10 industry certifications through Harper College as it prepares students for careers in aerospace, agriculture, biomedical, civil, electrical, industrial, mechanical and nuclear engineering.



9 ▶ **10** ▶ **11** ▶ **12** ▶

Engineering

PLTW Introduction to Engineering Design

PLTW - Civil Engineering and Architecture

PLTW - Computer Integrated Manufacturing

PLTW - Digital Electronics (DC)

PLTW - Principles of Engineering

AP Physics C

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Advanced Machine Technology (DC)
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Statistics
- Computer Programming, Mobile App and Networking
- AP Computer Science Principles
- Fabrication Technology 1 + 2
- Robotics
- PLTW - Engineering Design and Development
- AP Economics

Career Related Activities for the Engineering pathway

- Athletics
- Computer Club
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Math Team
- Robot Rumble
- Science Olympiad
- Wildstang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
 - Mathematics (4 years)
 - Social Science (3-4 years)
 - Science (2-3 years)
 - World Language (2-3 years)
 - Fine Arts (1-2 years)
- See your counselor regarding admission requirements for highly selective institutions.**



Project Lead the Way



Project Lead the Way is a sequential engineering program that allows students to earn 10+ college credits transferable to many four-year colleges and universities as well as numerous two-year institutions.

PLTW, an eight-semester sequence of courses over four years, covers the foundations of engineering with hands-on practical applications of real engineering concepts. Its mission is to promote the long-term success of a growing and more diverse group of students studying engineering and engineering technology—fields that are experiencing critical shortages.

The program, when combined with traditional high school mathematics and science courses, introduces students to the scope, rigor and discipline of engineering prior to entering a postsecondary institution. Students can take one or all of the program's courses during their highschool careers.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Engineering

College Majors

- Aerospace Engineering
- Agricultural Engineer
- Biomedical Engineering
- Chemical Engineer
- Civil Engineer
- Electrical Engineer
- Engineering Technician
- Industrial Engineer
- Mechanical Engineer
- Nuclear Engineer

Certifications

- Harper: Alternative Electrical Energy
- AutoCAD Designer
- Electrical Maintenance
- Electronics
- Industrial Electronics Maintenance
- Lean Six Sigma Green Belt
- Mechatronics
- Project Management Specialist
- Radio Frequency ID (RFID) Electronics
- Revit Architectural Designer

Work-Based Learning Experiences

- Apprenticeship
- High Mileage Vehicle & Robot Rumble
- Industry Mentorship
- Internship
- Micro Internship
- Wildstang FIRST Robotics

Future Careers

- Aerospace Engineer
- Agricultural Engineer
- Biomedical Engineer
- CAD Engineer
- Chemical Engineer
- Civil Engineer
- Draftsman
- Electrical Engineer
- Engineering Technician
- Industrial Engineer
- Mechanical Engineer
- Nuclear Engineer

Actuarial Science

Students who want to become mathematicians, applied mathematicians, statisticians and survey researchers will get a strong foundation in five core courses: algebra, geometry, precalculus, AP calculus and AP statistics. In addition, nine related electives are offered along with experiences and career-related extracurricular activities such as Math Team, Science Olympiad and WildStang FIRST Robotics.

9 10 11 12

Actuarial Science

Algebra

Geometry (H)

Algebra II (H)

Geometry

Algebra II (H)

Precalculus (H)

Algebra II

Precalculus (H)

AP Calculus AB / AP Calculus BC

Precalculus (H)

College Algebra (DC)

AP Calculus AB / AP Calculus BC

College Calculus 3 and Differential Equations (DC)

AP Statistics / College Statistics (DC)

High School District 214 Graduation Requirements

English

English | English | English | English

Course Descriptions Section - Page 231

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)

Including one unit of Algebra I and one unit of Geometry.

Course Descriptions Section - Page 259

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)

Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.

Course Descriptions Section - Page 277

2.0 credit units

Science

Science | Science | Science (Recommended)

Course Descriptions Section - Page 269

2.0 credit units

Career & Technical Education

Career and Technical Education

Course Descriptions Section - Page 291

1.0 credit unit

Fine Arts

Fine Arts

Course Descriptions Section - Page 247

0.5 credit unit

Consumer Education

Consumer Education

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education

A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*

Course Descriptions Section - Page 319

Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- AP Biology
- AP Chemistry
- Computer Programming, Mobile App and Networking
- AP Computer Science Principles
- AP Computer Science-A
- AP Economics
- AP Environmental Science
- AP Physics C
- PLTW Introduction to Engineering Design
- PLTW Principles of Engineering
- Introduction to Business

Career Related Activities for the Actuarial Science pathway

- Athletics
- Computer Clubs
- District Career Days
- District Career Nights
- District Career Treks
- Math Team
- Science Olympiad, Wildstang FIRST Robotics

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.



Dual Credit and AP Access



District 214 is committed to offering students a variety of opportunities to earn early college credits while they are in high school. Through the District's early college credit efforts, students can choose from more than 100 early college credit courses, positioning them for success.

Early college credits allow students to simultaneously earn high school and college credit. Students can take early college credit courses on District 214 campuses, although occasionally they may need to attend these classes at an area community college.

Today's economic realities make attaining postsecondary credentials while in high school more important than ever. District 214 is dedicated to preparing students for college and careers while minimizing student debt, with 85 percent of the class of 2019 earning early college credit.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Actuarial Science

College Majors

- Algebra and Number Theory
- Applied Mathematics
- Computational Mathematics
- Mathematics
- Mathematics and Computer Science
- Statistics and Probability

Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Applied Mathematician
- Mathematician
- Statistician
- Survey Researcher



Career Pathways

Transportation, Distribution and Logistics

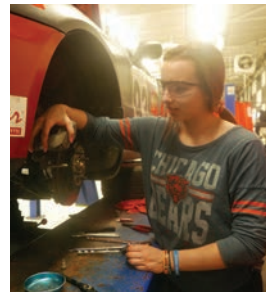
Manufacturing, Engineering, Technology and Trades (METT)

Transportation, Distribution and Logistics

The pathways in this career cluster are designed to prepare students for working in transportation, mobile equipment, facility management and infrastructure planning. Through hands-on experience and college certificate programs, students will be prepared for jobs upon high school graduation or for further education.

Pathways

Automotive Service	211
Aviation	215
Heating, Ventilation and Air Conditioning (HVAC)	219



Cassandra Thiel

Student Spotlight

While Cassandra Thiel's grandfather owned an auto body shop, she didn't have much experience with cars. As a junior at John Hersey High School, Cassandra decided to take a class on basic automotive maintenance skills.

Discovering a passion for working on cars, Cassandra signed up for the Automotive Service Pathway. She gained experience through

automotive and diagnostic classes as well as an apprenticeship at the Napleton Auto Group. As a senior, she was one of five students selected for the Blueprint Bosch Vocational Scholarship, a \$3,000 award toward college-level career certificates.

Cassandra is now studying automotive technology at the College of Lake County, with plans to one day work at an auto shop or dealership.

“It's the hands-on portion of it that I love. It was something I didn't think I was going to [like] but ... I find that it's something I can do for the rest of my life.” - Cassandra Thiel



Transportation, Distribution and Logistics

Automotive Service

The automotive service pathway provides students with extensive education in automotive systems, diagnostic testing and repairs, engine performance and electrical systems. Through high school- and college-level coursework and related electives, students have access to career-related activities, a paid youth apprenticeship and work-based learning experiences. The pathway also offers 11 high school certificates and five industry certificates through Harper and Triton College.

9 ▶ **10** ▶ **11** ▶ **12** ▶

Automotive Service

Automotive Systems

Diagnostic Testing and Repair

College Vocational Automotive (DC)

Work-Based Learning Experience: Apprenticeship (application required)

Power-on-Site Training

High School District 214 Graduation Requirements

English

English | English | English | English
Course Descriptions Section - [Page 231](#)

4.0 credit units

Mathematics

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)
Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - [Page 259](#)

3.0 credit units

Social Science

Social Science | Social Science | Social Science (Recommended)
Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - [Page 277](#)

2.0 credit units

Science

Science | Science | Science (Recommended)
Course Descriptions Section - [Page 269](#)

2.0 credit units

Career & Technical Education

Career and Technical Education
Course Descriptions Section - [Page 291](#)

1.0 credit unit

Fine Arts

Fine Arts
Course Descriptions Section - [Page 247](#)

0.5 credit unit

Consumer Education

Consumer Education
Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - [Page 296](#), Economics (07830) - [Page 281](#), Consumer Education (59940) - [Page 281](#).

0.25 credit unit

Physical Education

Physical Education | Health | Physical Education | Physical Education
A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - [Page 319](#)
Refer to [page 339](#) in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- College Advanced Machine Technology (DC)
- College Automotive Engine Performance and Electrical Systems (DC)
- PLTW - Digital Electronics (DC)
- PLTW Introduction to Engineering Design
- Power On-Site Training
- Fabrication Technology 1 + 2

Career Related Activities for the Automotive Service pathway

- Athletics
- Auto Club
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Robotics Club
- Skills USA
- Team Manager

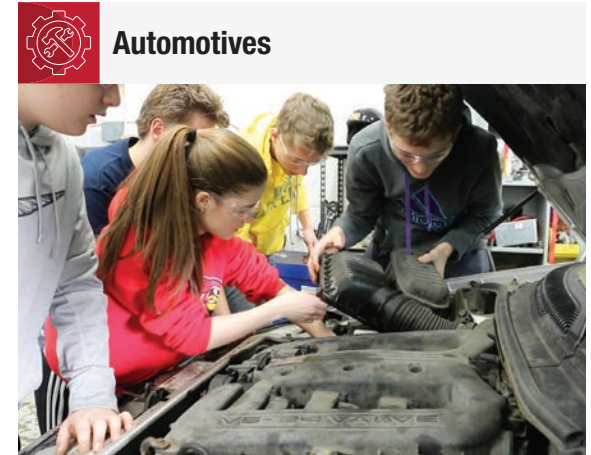
Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Automotives

District 214 offers automotive service classes not only for students planning to pursue a career in this area but also for those who want to learn the basics every automotive consumer should know.

The Automotive Service Pathway starts with the Automotive Systems Course. This class is designed to introduce future automotive consumers to automotive systems, preventative maintenance and what to expect while owning and driving a vehicle. They also get hands-on experience working on cars.

Students who want to pursue a career in this area then take Diagnostic Testing and Repair. College-level courses are offered in the third and fourth years of the pathway, with opportunities to earn college credits and numerous industry certifications.

The District also works with students to set up apprenticeships to give them get real-life experience working with master technicians at local auto shops and dealerships.

Automotive Service

College Majors

- Autobody
- Collision and Repair Technicians
- Automotive Mechanics Technology Technician
- Diesel Mechanics Technology

Certifications

- Snap-On
- NC3 Digital Multi-Meter Certification
- AllData: Certified Automotive Information Specialist
- ASE Student Certification-G1: Maintenance and Light Repair
- ASE Student Certification-A1: Engine Repair
- ASE Student Certification-A2: Automatic Transmission/Transaxle
- ASE Student Certification-A3: Manual Drivetrain and Axles
- ASE Student Certification-A4: Suspension and Steering
- ASE Student Certification-A5: Brakes
- ASE Student Certification-A6: Electrical/Electronic Systems
- ASE Student Certification-A7: Heating and Air Conditioning
- ASE Student Certification-A8: Engine Performance

Work-Based Learning Experiences

- Apprenticeship
- Industry Mentorship
- Internship
- Micro Internship
- Power-On-Site Training

Future Careers

- Aircraft Maintenance Technician
- Autobody
- Collision and Related Repairs
- Automotive Service Technician and Mechanic
- Automotive Specialty Technician
- Bus and Truck Mechanics and Diesel Engine Specialist
- Engine and Other Machine Assembler
- Installation, Maintenance and Repair Worker

Aviation

This pathway prepares students for postsecondary education and careers in aerospace engineering, aircraft maintenance, airfield operations, air traffic control and avionics. Five pathway courses are offered, including college-level courses in Aviation Fundamentals and Aviation Physics I, as well as three related electives and work-based learning experiences.



9 ▶ 10 ▶ 11 ▶ 12 ▶

Aviation

Automotive Systems

PLTW Introduction to Engineering Design

PLTW Aerospace Engineering (DC)

Physics / AP Physics 1

College Aviation Academy (Application required)

High School District 214 Graduation Requirements

English | English | English | English

Course Descriptions Section - Page 231

4.0 credit units

Mathematics | Mathematics | Mathematics | Mathematics (Recommended)

Including one unit of Algebra I and one unit of Geometry.
Course Descriptions Section - Page 259

3.0 credit units

Social Science | Social Science | Social Science (Recommended)

Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics.
Course Descriptions Section - Page 277

2.0 credit units

Science | Science | Science (Recommended)

Course Descriptions Section - Page 269

2.0 credit units

Career and Technical Education

Course Descriptions Section - Page 291

1.0 credit unit

Fine Arts

Course Descriptions Section - Page 247

0.5 credit unit

Consumer Education

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296, Economics (07830) - Page 281, Consumer Education (59940) - Page 281.

0.25 credit unit

Physical Education | Health | Physical Education | Physical Education

A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.*
Course Descriptions Section - Page 319

Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.



Post Secondary

Career Related Electives

- Fabrication Technology 1 & 2
- PLTW Digital Electronics (DC)
- AP Physics C

Career Related Activities for the Aviation pathway

- Athletics
- Auto Club
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Robotics Club
- Skills USA
- Team Manager

Four-Year University Admission Requirements

- English (4 years)
- Mathematics (4 years)
- Social Science (3-4 years)
- Science (2-3 years)
- World Language (2-3 years)
- Fine Arts (1-2 years)

See your counselor regarding admission requirements for highly selective institutions.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*



Aviation Academy



Aviation Academy is a unique program developed by District 214 to meet the strong demand for highly qualified aviation professionals and numerous regional opportunities for careers in the aviation industry. The program, which is held at Chicago Executive Airport in Wheeling, recruits District students interested in pursuing a career in aviation and ensures they are highly qualified for aviation positions.

As part of their participation in District 214's Aviation Pathway, students receive a sequence of aviation-specific courses, dual credit opportunities and external internship experiences. The District partners with Lewis University to offer dual credit courses that allow students to earn both high school and college credit and begin their pathway to certification and a future career in the aviation industry.

Students can achieve certifications in 12 to 18 months and earn an average starting salary of \$60,000.

Aviation

College Majors

- Aeronautical Engineering
- Air Traffic Control Management
- Aviation Administration
- Aviation and Aerospace Technology
- Aviation Flight Management
- Aviation Maintenance Management
- Transportation, Distribution and Logistics
- Unmanned Aircraft Systems

Work-Based Learning Experiences

- Industry Mentorship
- Internship
- Micro Internship

Future Careers

- Aerospace Engineer
- Aircraft Maintenance Technician
- Air Crew Member
- Airfield Operations Specialist
- Air Traffic Controller
- Avionics Technician
- Commercial Pilot

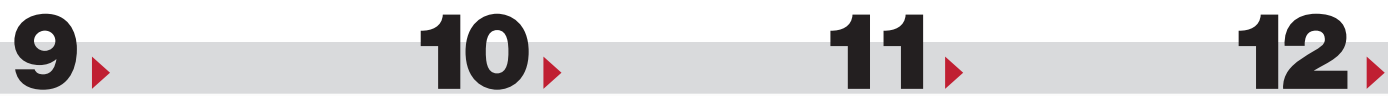


Transportation, Distribution and Logistics

Heating, Ventilation & Air Conditioning (HVAC)

Students who want to pursue HVAC careers are offered college-level pathway courses: Heating Principles, Heating and Cooling Controls, and Domestic Refrigeration Appliances. This pathway also offers five industry certificates through Harper College as well as industry mentorships and a paid youth apprenticeship with practical work experience and college-level courses.

Heating, Ventilation and Air Conditioning (HVAC)



HVAC	Fabrication Technology I			D214 Youth Apprenticeship: Heating, Ventilation and Air Conditioning
	Fabrication Technology II	PLTW - Introduction to Engineering Design	PLTW - Digital Electronics (DC)	College Heating Principles
	Auto Systems			College Introductory Electronics
High School District 214 Graduation Requirements				
English	English English English English Course Descriptions Section - Page 231			4.0 credit units
Mathematics	Mathematics Mathematics Mathematics Mathematics (Recommended) Including one unit of Algebra I and one unit of Geometry. Course Descriptions Section - Page 259			3.0 credit units
Social Science	Social Science Social Science Social Science (Recommended) Must include one year of U.S. History or combination of U.S. History and American Government and one semester civics. Course Descriptions Section - Page 277			2.0 credit units
Science	Science Science Science (Recommended) Course Descriptions Section - Page 269			2.0 credit units
Career & Technical Education	Career and Technical Education Course Descriptions Section - Page 291			1.0 credit unit
Fine Arts	Fine Arts Course Descriptions Section - Page 247			0.5 credit unit
Consumer Education	Consumer Education Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses: Personal Finance (06210) - Page 296 , Economics (07830) - Page 281 , Consumer Education (59940) - Page 281 .			0.25 credit unit
Physical Education	Physical Education Health Physical Education Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education.* Course Descriptions Section - Page 319 Refer to page 339 in Academic Policies and Procedures section regarding substitutions for physical education.			⊛

Post Secondary

- Career Related Electives**
 - College Heating and Cooling Controls
 - College Refrigeration Fundamentals
 - College Refrigeration Systems
 - PLTW - Introduction to Engineering Design
 - PLTW - Civil Engineering and Architecture
 - College Introductory Electronics (Harper College)
 - College Industrial Control Systems (Harper College)
 - College Practical Architecture Construction

Career Related Activities for the HVAC pathway

- Athletics
- District Career Days
- District Career Nights
- District Career Treks
- High Mileage Vehicle Club
- Robotics Club
- Skills USA

Four-Year University Admission Requirements

- English (4 years)
 - Mathematics (4 years)
 - Social Science (3-4 years)
 - Science (2-3 years)
 - World Language (2-3 years)
 - Fine Arts (1-2 years)
- See your counselor regarding admission requirements for highly selective institutions.



Apprenticeship

With its Youth Apprenticeship program, District 214 is one of the first high school districts in the country to set up its own apprenticeships for students with local employers rather than bringing in external organizations to manage the program, according to Jobs for the Future, a leading workforce research organization.

Apprentices are selected for the program in their junior year of high school. They get 20 to 30 hours a month of paid job training during the school year in addition to college coursework and mentoring. During the summer, they work up to 28 hours a week to expand their skills. At the end of the program, students receive either a federally registered apprenticeship certification or a youth apprenticeship certification in addition to up to a year of college credits.

During the program's pilot year, the District opted to use its own facilities for job placements in cybersecurity, HVAC (heating, ventilation, air conditioning) and automotive services to streamline the process but has since increased the program by placing apprentices with local employers.

Honors, Advance Placement and Dual Credit courses are offered throughout the curriculum. Please consult with your high school counselor for the latest information regarding course offerings, scheduling and registration for all career pathways and courses.

**This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110,5/27-6 and 23 Ill. Adm. Code Section 1.425).*

Heating, Ventilation and Air Conditioning (HVAC)

College Majors

Refrigeration and Air Conditioning Technology

Certifications

Harper: Domestic Refrigeration and Heating

Heating Service

Refrigeration Service

Refrigeration

Air Conditioning Service

Residential Comfort Systems

Work-Based Learning Experiences

Apprenticeship

Industry Mentorship

Internship

Micro Internship

Future Careers

Heating, Ventilation, Air Conditioning Installer

Heating, Ventilation, Air Conditioning Service Technician

Mechanic

Heating, Ventilation and Air Conditioning Specialist

Systems Mechanic



Course Descriptions

2022-2023 HIGH SCHOOL DISTRICT 214



Course Descriptions

English 231

Acting 1	03060	232
Acting 2	03070	232
Acting 3	03300	232
Acting 4	03310	232
Advanced Composition	03280	233
Advanced Composition and Research Methods	53281/53282	233
Advanced Creative Writing and Literary Publication	02011/02012	233
Advanced Multimedia Communication	09120	233
Advanced Multimedia Practicum	09480	233
Advanced Multimedia Production	09210	233
Advanced Multimedia Storytelling	09430	233
Advanced Reading	03200	233
American Literature and Composition	03471/03472	234
American Literature and Composition	03481/03482	234
American Literature and Composition-Integrated	04181/04182	234
AP English Language and Composition	03971/03972	234
AP English Literature and Composition	04051/04052	234
British Literature Survey	03570	234
Broadcast Journalism	03190	234
CAT-Composition	04121/04122	234
College Composition	63290	234
College Intro to Mass Communication	60410	235
College Literature: Stories Matter	61710	235
College Speech Communication	63890	235
College Summer Theatre Performance	66100	235
College Summer Theatre Tech	06620	235
Contemporary American Text	03780	236
Contemporary Literature	03620	236
Creative Writing	03910	236
English 100	03861/03862	236
English Composition	03900	236
English Composition-ASU	63001	236
ESL 1	08031/08032	238
ESL 1 Strategies	08021/08022	238
ESL 2	08051/08052	238
ESL 2 Strategies	08041/08042	238

ESL 3	08071/08072	238
ESL 3 Strategies	08061/08062	238
ESL Tutorial	08081/08082	238
Folklore, Myth and Legend	03700	239
Honors World Literature and Composition	03851/03852	239
Honors Written and Oral Communication	03991/03992	239
Humanities/Composition	04131/04132	239
Humanities/Fine Arts	03600	239
Humanities/Literature 1	03580	239
Humanities/Literature 2	03590	239
Introduction to ESL 1: Reading	08011/08012	240
Introduction to ESL 1: Writing	08001/08002	240
Introduction to Multimedia Communications	09000	240
Language Arts 3	02160	240
Language Arts 4	02170	240
Multicultural Literature	03760	240
Multiculturalism/Creative Writing	04141/04142	242
Multimedia Academy	09490	242
Multimedia Practicum	09270	242
Multimedia Production	09200	242
Multimedia Storytelling	09290	242
Philosophical Literature	03640	242
Popular Literature	03740	242
Prep Reading Skills	02250	243
Preparatory Reading	02191/02192	243
Professional Written Communications	03880	243
Reading and Writing 1	01981/01982	243
Reading and Writing 2	02001/02002	243
Reading Laboratory	02111/02112	243
Reading Skills	02050	243
Reading Skills 2	02030	244
Reading Skills 4	02070	244
Senior English	02131/02132	244
Short Story	03730	244
Technical Theatre	03080	244
World Literature and Composition	03831/03832	244
World Literature and Composition	03841/03842	244
World Literature and Composition Integrated	04171/04172	245
Writing and Oral Communication Integrated	04161/04162	245

Writing Skills 2	02040	245
Writing Skills 3	02060	245
Written and Oral Communication	02101/02102	245
Written and Oral Communication	02561/02562	245
Yearbook 1	03150	245
Yearbook 2	03160	245
Yearbook 3	03170	246
Yearbook 4	03180	246
Yearbook 5	03320	246
Yearbook 6	03330	246
Yearbook 7	03340	246
Yearbook 8	03350	246

Fine Arts 247

2-D Art 1	01360	248
2-D Art 2	01370	248
2-D Art 3	01380	248
3-D Art 1	01330	248
3-D Art 2	01340	249
3-D Art 3	01350	249
Advanced Art 1	01940	249
Advanced Art 2	01950	249
Advanced Guitar Workshop	01761/01762	249
Advanced Imaging 1	01390	249
Advanced Imaging 2	01400	249
Advanced Mixed Choir	01591/01592	249
Advanced Photography Studio	01490	250
Advanced Theater Workshop	01740	250
Advanced Three-Dimensional Art Studio	01211/01212	250
Advanced Two-Dimensional Art Studio	01201/01202	250
AP Art History	01441/01442	250
AP Music Theory	01681/01682	250
AP Studio Art (2-D, 3-D, Drawing)	01291/01292	250
AP Studio Art 2-D Design	01171/01172	251
AP Studio Art 3-D Design	01181/01182	251
AP Studio Art Drawing	01191/01192	251
Art 1	01011/01012	251
Art Imaging 1	01450	251
Art Imaging 2	01460	251
Art Portfolio 1	01270	251
Art Portfolio 2	01280	251
Art Survey	01250	252
Beginning Choir	01501/101502	252
Beginning Mixed Choir	01571/01572	252
Beginning Strings	01821/01822	252

Cadet Marching Band	01751/01752	252
College Introduction to Visual Art	62990	252
Concert Orchestra	01791/01792	252
Concert/Marching Band	01771/01772	252
Fine Arts Workshop	03051/03052	254
Graphic Arts Design	01260	254
Guitar 1	01841/01842	254
Guitar 2	01851/01852	254
Guitar Ensemble	01861/01862	254
Harmony and Arranging 1	01871/01872	254
Harmony and Arranging 2	01881/01882	254
Instrumental Ensemble	01811/01812	254
Intermediate Art 1	01920	255
Intermediate Art 2	01930	255
Intermediate Mixed Choir	01581/01582	255
Introduction to 3-D Art	01310	255
Introductions to the Fine Arts 1	01410	255
Jazz Band	01801/01802	255
Music Workshop	01510	255
Orchestra	01831/01832	255
Orchestral Winds and Percussion	01891/01892	256
Photography 1	01220	256
Photography 2	01230	256
Photography 3	01240	256
Sculpture 1	01140	256
Sculpture 2	01150	256
Sculpture 3	01160	256
String Ensemble	01901/01902	258
Symphonic/Marching Band	01781/01782	258
Technical Theatre	03080	258
Treble Choir	01541/01542	258
Vocal Ensemble 1	01631/01632	258
Vocal Ensemble 2	01641/01642	258

Mathematics 259

Algebra	04620	260
Algebra	04630	260
Algebra	04700	260
Algebra	04710	260
Algebra II	04740	260
Algebra II	04750	260
AP Calculus AB	04861/04862	260
AP Calculus BC	04961/04962	260
AP Statistics	04881/04882	260
Calculus 3	04981	260

College Algebra	64400	260
College Algebra-ASU	64411/64412	262
College Calculus 3	64981	262
College Differential Equations	64982	262
College Math: A Human Endeavor	64680	262
College Statistics	64450	262
Data Modeling	04201/04202	262
Differential Equations	04982	264
Geometry	04640	264
Geometry	04650	264
Geometry	04720	264
Geometry	04730	264
Honors Algebra II	04800	264
Honors Algebra II	04810	264
Honors Algebra II/Precalculus	04900	265
Honors Algebra II/Precalculus	04910	265
Honors Geometry	04820	265
Honors Geometry	04830	265
Honors Geometry	04920	265
Honors Geometry	04930	265
Honors Precalculus	04840	265
Honors Precalculus	04850	265
Honors Precalculus/Calculus A	04940	266
Honors Precalculus/Calculus A	04950	266
Intermediate Algebra	04660	266
Mathematical Analysis	04441/04442	266
Mathematical Applications	04561/04562	266
Mathematical Applications 101	04971/04972	266
Mathematics 1	04460	266
Mathematics 2	04470	266
Mathematics 3	04480	268
Mathematics 4	04490	268
Mathematics 50	04500	268
Mathematics 51	04510	268
Mathematics 52	04520	268
Mathematics 53	04530	268
Mathematics 54	04540	268
Mathematics 55	04550	268

Science 269

Advance Space Science	05330	270
Advanced Biology	05341/05342	270
Agricultural Biology	07981/07982	270
AP Biology	05411/05412	270
AP Biology (Lab)	05421/05422	271

AP Chemistry	05451/05452	271
AP Chemistry (Lab)	05461/05462	271
AP Environmental Science	05431/05432	271
AP Physics 1	05201/05202	271
AP Physics C	05441/05442	271
AP Physics C (Lab)	05501/05502	271
Biology	05021/05022	271
Biology 504	05041/05042	272
Chemistry	05111/05112	272
Chemistry 514	05141/05142	272
College Geospatial Technology	67920	272
College Introduction to Human Anatomy and Physiology	68340	272
College Introduction to Nanotechnology	66461/66462	272
Ecology	05260	273
Environmental Science	05250	273
Experiential Medical Physiology and Biochemistry	05000	273
Genetics	05180	273
Honors Agricultural Biology	57981/57982	273
Honors Biology	05031/05032	273
Honors Chemistry	05121/05122	273
Honors Medical Physiology and Biochemistry	05130	273
Honors Physical Science	05561/05562	274
Honors Physics in Healthcare	08160	274
Human Physiology	05280	274
Human Physiology 2	05360	274
Introduction to Solar System-ASU	65001	274
Oceanography	05270	274
Physical Science	05071/05072	274
Physics	05161/05162	274
Physics	05191/05192	276
Zoology	05310	276

Social Science 277

Advanced Legal Concepts	07910	278
American Law	07790	278
American Studies: U.S. History	07611/07612	278
AP Economics – Micro & Macro	07931/07932	278
AP European History	07671/07672	279
AP Human Geography	09351/09352	279
AP Psychology	07761/07762	279
AP U.S. Government and Politics	07871/07872	279
AP U.S. History	07661/07662	279
AP World History	07651/07652	279

Civics	59950	279
College Legal Research and Argument	69590	280
College Macroeconomics	67930	280
College Microeconomics	67940	280
College Middle Eastern Politics	67850	280
College World Religions	67630	280
Constitutional Law	07890	281
Consumer Education	59940	281
Criminal and Civil Law	07880	281
Economics	07830	281
Honors Human Geography	09420	281
Honors Latin American Studies	16990	282
Human Geography	09301/09302	282
Human Geography	09311/09312	282
Human Origins-ASU	67001	282
Introduction to Sociology-ASU	67300	282
Latin American Studies	06990	282
Political Science	07840	282
Psychology 1	07740	282
Psychology 2	07750	283
Social Science	07561/07562	283
Sociology	07700	283
Sociology 1	07710	283
Sociology 2	07720	283
Sociology of Service Learning – Fall	09330	283
Sociology of Service Learning-Spring	09340	283
U.S. History	07641/07642	284
U.S. History	09381/09382	284
World History	07581/07582	284
World History	09371/09372	284
World Religions 1	07810	284
World Religions 2	07820	284
World Studies: Social Science	07571/07572	284

World Languages 285

American Sign Language 1 & 2	60271/60272	286
AP Chinese Language and Culture	07301/07302	286
AP French Language	07101/07102	286
AP German	07201/07202	286
AP Italian Language and Culture	07261/07262	287
AP Japanese Language and Culture	07291/07292	287
AP Spanish Language	07431/07432	287
AP Spanish Literature	07371/07372	287
College Intermediate Spanish-EIU	67381/67382	287
French 1	07001/07002	287

French 2	07021/07022	287
German 1	07121/07122	287
German 2	07131/07132	288
Honors French 3	07061/07062	288
Honors French 4	07081/07082	288
Honors German 3	07161/07162	288
Honors German 4	07181/07182	288
Honors Italian 3	07031/07032	288
Honors Italian 4	07041/07042	288
Honors Japanese 3	07591/07592	289
Honors Japanese 4	07601/07602	289
Honors Mandarin Chinese 3	07241/07242	289
Honors Mandarin Chinese 4	07311/07312	289
Honors Spanish 3	07391/07392	289
Italian 1	07451/07452	289
Italian 2	07461/07462	289
Japanese 1	07501/07502	289
Japanese 2	07511/07512	290
Spanish 1	07331/07332	290
Spanish 2	07341/07342	290
Spanish for Heritage Learners 2	07361/07362	290

Career and Technical Education 291

Agriculture, Food, and Natural Resources 292		
AgriBusiness	08370	292
College Sustainable Urban Agriculture	68390	292
Food Science	08350	292
Introduction to Agriculture Pathway	08360	292
Veterinary Science	04370	292
Veterinary Science II	08380	293
Arts, Audiovisual Technology and Communication 293		
College Advanced Graphic Arts	66301/66302	293
College Production 1	69150	293
Digital Media Production	09531/09532	293
Graphic Arts Design	06440	293
Graphic Arts Technology 1	06250	293
Graphic Arts Technology 2	06260	294
Graphic Arts Technology 3	06270	294
Graphic Arts Technology 4	06280	294
Media Technology 1	06950	294
Media Technology 2	06960	294
Media Technology 3	06970	294
Media Technology 4	06980	294
Production & Editing 1	09540	295

Production & Editing II	09550	295
Finance and Business Services / Finance / Marketing		295
College Accounting	65551/65552	295
College Business	65641/65642	295
College Entrepreneurship 1	65681/65682	295
College Financial Accounting	65550	296
Entrepreneurship 2	05751/05752	296
Introduction to Business	05601/05602	296
Personal Finance	06210	296
Small Business Management	05740	296
Sports and Entertainment Marketing	05720	296
Hospitality and Tourism		298
Advanced Culinary Arts	57900	298
College Culinary Arts/ProStart 1	65711/65712	298
College Culinary Arts/ProStart 2	65801/65802	298
College ProStart Internship	60801/60802	298
Introduction to Culinary Arts	57800	298
Career Development		299
Career Development Academy	02891/02892	299
Career Education Internship 1	06611/06612	299
Career Exploration	06500	299
Career Skills Training	03371/03372	299
Cooperative Work Training 1	06511/06512	299
Cooperative Work Training Internship 1	06521/06522	299
Employee Development	03381/03382	300
Interrelated Career Education 1	06601/06602	300
Work Experience	03400	300
Work Orientation 1	09731/09732	300
Work Orientation 2	09741/09742	300
In School Work	09761/09762	300
Information Technology		300
Advanced Concepts in Coding and Development	10301/10302	300
Advanced Network Systems and Cybersecurity	10401/10402	300
AP Computer Science Principles/Mobile	10601/10602	302
AP Computer Science-A	09091/09092	302
College A+ Hardware	66740	302
College A+ Operating Systems Technology	66800	302
College Advanced Network Systems and Cybersecurity	60401/60402	302
College Computer Networking	66810	302
College Cybersecurity and Mobility	66241/66242	303
College IT Fundamentals	60740	303
Computer Programming, Mobile App, and Networking	09040/09050	303

Cybersecurity and Mobility	06241/06242	303
Health Sciences		304
College Nursing Assistant Training	68171/68172	304
Introduction to Healthcare 2	08190	304
Introduction to Healthcare Field 1	08181/08182	305
Medical Science Academy	09861/09862	305
Medical Terminology	08211/08212	305
Education and Training		306
College Applied Educational Psychology	78350	305
College Education in a Diverse Society	69970	305
College Inquiry into Teaching	69620	305
College Introduction to Early Childhood Education	60500	306
College Introduction to Education	60700	306
Foundation of Learning and Development	09610	306
Husky Inn	05841/05842	306
Introduction to Preschool	06700	307
Introduction to Teaching Methods	09620	307
Practicum in Early Childhood Education 3	05820	307
Practicum in Early Childhood Education 4	05830	307
Human Services		307
Cosmetology	06781/06782	307
Sociology of Marriage and Family	05940	307
Law, Public Safety, Corrections and Security		308
College Fire Behavior and Combustion	60140	308
College Introduction Fire Science	60130	308
College Introduction to Corrections	60120	308
College Introduction to Criminal Justice	60100	308
Micro Internship / Internship / Apprenticeship		308
Agriculture/Foods/Natural Science Micro Internship	49530	308
Arts and Communication Micro Internship	49540	308
District Micro-Internship	09500	309
Finance and Business Services Micro Internship	49550	309
Health and Science Technology Micro Internship	49560	309
Human and Public Service Micro Internship	49570	309
Information Technology Micro Internship	49580	309
Manufacturing and Engineering Technology Micro Internship	49590	309
Internship Program	09870	309
District Youth Apprenticeship	09441/09442	309
Architecture and Construction		310
Advanced Computer Aided Design for Architecture, Engineering and Construction	16450	310
College Practical Architectural Construction-PAC Year 1	66191/66192	310
Computer Aided Design for Architecture, Engineering and Construction	16410	310

Design 214 Practical Architecture	06121/06122	310
Geometry in Construction	04420	310
Honors Geometry in Construction	14420	310
Introduction to Practical Arts Construction	16190	310
Math and Technology	06401/06402	311
Manufacturing		312
Advanced Welding	10030	312
Beginning Welding	10020	312
College Advanced CNC Manufacturing	69641/69642	312
College Advanced Machine Technology	69631/69632	313
College Fashion Industry Career Practicum and Seminar	60260	313
College Fashion Merchandising	65860	313
College Introductory Electronics	60060	313
College Manufacturing Internship	66820	313
Fabrication Technology 1	02850	314
Fabrication Technology 2	02860	314
Fashion Design	05850	314
Fashion Construction	05870	314
Science, Engineering and Mathematics		314
PLTW- Aerospace Engineering	66941/66942	314
PLTW- Civil Engineering and Architecture	06901/06902	314
PLTW- Computerized Integrated Manufacturing	06891/06892	314
PLTW- Introduction to Engineering Design	06881/06882	315
PLTW- Principles of Engineering	06921/06922	315
PLTW-Digital Electronics	66911/66912	315
PLTW-Engineering Design and Development	06931/06932	315
Robotics 1	06801/06802	315
Robotics 2	06811/06812	315
Robotics 3	06821/06822	315
Robotics 4	06841/06842	315
Transportation, Distribution and Logistics		316
Automotive Systems	06051/06052	316
College Aircraft Drafting & Blueprint Reading	64840	316
College Automotive Engine Performance and Electrical System	66091/66092	316
College Aviation Fundamentals	66850	316
College Aviation Physics	66840	316
College Heating and Cooling Controls	60160	317
College Heating Principles	60150	317
College Industrial Control Systems	60070	317
College Private Pilot Ground 1	64820	317
College Private Pilot Ground 2	64830	317
College Refrigeration Fundamentals	60080	317
College Refrigeration Systems	60090	318

College Vocational Automotive	66071/66072	318
Diagnostic Testing and Repair	06061/06062	318
Personal Auto	06080	318
Power-On-Site Training	06791/06792	318

Health and Physical Education 319

Advanced Activities (Fall)	08750	320
Advanced Activities (Racquet Sports)	08770	320
Advanced Activities (Spring)	08760	320
Advanced Strength and Conditioning	08660	320
Advanced Swimming	08650	321
Beginning Strength and Conditioning	08440	321
College Advanced Strength and Conditioning	68660	321
College Basic Care and Prevention of Athletic Injuries	68810	321
Dance 1	08550	321
Dance 2	08560	321
Dance 3	08640	321
Exercise Physiology	08491/08492	321
Freshman Physical Education 1	08510	322
Freshman Physical Education 2	08520	322
Grace Gymnastics	08680	322
Health Education	08690	322
Junior Leader 1	08580	322
Junior Leader 2	08590	322
Lifestyle Fitness	08800	322
Modified Physical Education	08500	322
Orchesis	08571/08572	322
Personal Training Certification	04391/04392	324
Physical Education	08530	324
Physical Education	08540	324
Power Gymnastics	08670	324
Senior Leader	08600	324
Sports Medicine 1	08840	324
Sports Medicine 2	08850	324
Yoga and Mindful Movement Practices	08740	324

Special Programs 325

Advanced Research and Composition	02910	326
Adventure Learning	06570	326
AP Research	02701/02702	326
AP Research-English	02711/02712	326
AP Seminar	02601/02602	327

AP Seminar-English	02611/02612	327
AVID 1	02390/02400	327
AVID 2	02410/02420	327
AVID 3	02430/02440	327
AVID 4	02450/02460	327
Life and Career Planning-70 hours	08980	327
Post-Secondary Pathway Exploration & Practicum	02720	328
Preparatory Study Skills	02250	328
Service Learning-70 Hours	06580	328
Strategies for Learning	08911/08912	328
Strategies for Learning 2	08921/08922	328
Strategies for Learning 3	08931/08932	328
Strategies for Learning 4	08941/08942	328

Naval Science **329**

Naval Science 1	08451/08452	329
Naval Science 2	08461/0846	329
Naval Science 3	08471/08472	329
Naval Science 4	08481/08482	329

Driver Education **330**

Driver Education Classroom	09650	330
Driver Education Lab	09660	330



Course Descriptions

English

English



Acting 1 03060

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will engage in activities that will support initial training in acting. Students will strengthen their powers of observation and underscore their cooperation with others in various acting scenarios. Students must perform as part of this course work. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Acting 2 03070

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	03060 or Division Head Approval				

Students will focus on script analysis, characterization, and performance, and this course is a continuation of Acting 1. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Acting 3 03300

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	03070 or Division Head Approval				

Students will take an intensive focus on script analysis, characterization, and performance, and this course is a continuation of Acting 2. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Acting 4 03310

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	03300 or Division Head Approval				

Students will take an intensive focus on script analysis, characterization, and performance, and this course is a continuation of Acting 3. Students will also focus on the role of the director. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Advanced Composition 03280

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of Language Arts Core Curriculum				

Students will work through all aspects of the writing process and complete a variety of papers, including a research paper. Students will complete critical, analytical, and model reading assignments. This course meets the language arts graduation requirement.

Advanced Composition and Research Methods 53281/53282

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore the complexities of academic and real-world topics by analyzing divergent perspectives by using an inquiry framework. Students will synthesize information from multiple sources, develop perspectives in research-based essays, and design/deliver oral and visual presentations. This course meets the language arts graduation requirement.

Advanced Creative Writing and Literary Publication 02011/02012

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	03910 or Division Head Approval				

Students will continue to write poetry, prose, creative nonfiction, and drama as a continuation and expansion of Creative Writing. Additionally, students will have experience with the school's literary magazine, publications, and contest entries. This course does not fulfill an English graduation requirement. This course may be repeated for credit.

Advanced Multimedia Communication 09120

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will build upon practices and techniques used in Introduction to Multimedia Communication, emphasizing advanced multimedia communication elements in print, podcasting, streaming, photography, broadcast journalism, layout design, social media, and the study of law and ethics of mass media. This course will include five hours of fieldwork and continue to expose students to career opportunities. This is the second course in the Multimedia Communications Pathway.

Advanced Multimedia Practicum 09480

Grade Level	12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will build upon media production skills learned in Multimedia Practicum while also learning new tools, techniques, and processes in their roles as writers or editors, web and social media content creators, photographers, artists or designers.. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the eighth course in the Multimedia Communications Pathway.

Advanced Multimedia Production 09210

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will build on practices and techniques used in Multimedia Production, exploring more advanced opportunities to create and refine productions across multiple media platforms. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the fourth course in the Multimedia Communications Pathway.

Advanced Multimedia Storytelling 09430

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will build upon practices and techniques learned in Multimedia Storytelling by using a variety of accessible technology to produce, edit and post compelling, original digital content. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the sixth course in the Multimedia Communications Pathway.

Advanced Reading 03200

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will examine various genres and refine their reading and writing skills to meet the demands of college level work with an emphasis on the techniques of speed, overview, and critical reading while developing their vocabulary and study skills. This course meets the language arts graduation requirement.

American Literature and Composition 03471/03472

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore and analyze a modified version of the traditions, techniques, and genres of American literature with emphasis on writing. Students will acquire skills in grammar usage/mechanics, analytic reading techniques, rhetorical analysis, and vocabulary development. This course meets the language arts graduation requirement.

American Literature and Composition 03481/03482

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore and analyze traditions, techniques, and genres of American literature with emphasis on writing. Students will further develop their skills in grammar usage/mechanics, analytic reading techniques, rhetorical analysis, and vocabulary development. This course meets the language arts graduation requirement.

American Literature and Composition-Integrated 04181/04182

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent Enrollment in 07611/07612				

Students will analyze traditions, techniques, and genres of American literature with emphasis on writing. Students will further develop their skills in grammar usage/mechanics, analytic reading techniques, rhetorical analysis, and vocabulary development. This course is taken in an integrated format with U.S. History. This course meets the language arts/social science graduation requirements.

AP English Language and Composition 03971/03972

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will learn to read complex American texts from a variety of historical periods and disciplines noting the writers' use of resources of language to achieve their purposes. Students will apply this knowledge to their own writing, considering the interactions between a writer's subject, purpose, and audience expectations. This course meets the language arts graduation requirement.

AP English Literature and Composition 04051/04052

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will engage in intensive literary analysis and discussion of selected literary classics. Students will produce sophisticated literary analysis essays emphasizing critical and analytical approaches. This course meets the language arts graduation requirement.

British Literature Survey 03570

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will examine significant writers, works, and literary trends from the beginnings of English literature. Students will acquire the skills to analyze and discuss British literature. This course meets the language arts graduation requirement.

CAT-Composition 04121/04122

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will engage in the study of contemporary American literature, analytic reading, and composition. Students will work through all aspects of the writing process and complete a variety of papers, including a research paper. This course meets the language arts graduation requirement.

College Composition 63290

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of Language Arts Core Curriculum				

Students will write expository prose and engage in the critical reading of nonfiction prose. Students will further develop their skills in grammar usage/mechanics, analytic reading techniques, and rhetorical analysis. This course meets the language arts graduation requirement. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Mass Communication 60410

Grade Level	12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will be provided a survey of the current media landscape including television, radio, film, mobile communication, recorded music, and new media. The course examines the historical context for and theoretical perspectives of electronic and emergent media in the 20th and 21st centuries. Additionally, the course traces the interrelated nature of the media industry and producers, mediated messages, and audiences to examine how these changing relationships impact the mediated landscape. No print journalism covered. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Literature: Stories Matter 61710

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	63290				

Students will study a variety of literary texts that engage some of the most vital topics in our world today. Students will produce sophisticated literary analysis essays emphasizing critical and analytical approaches. This course meets the language arts graduation requirement. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Speech Communication 63890

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will study the theory and practice of oral communication. Students will develop the necessary skills with emphasis on frequent speaking, development of standards of criticism, and selection and organization of supporting evidence and materials. This course meets the language arts graduation requirement. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



College Summer Theatre Performance 66100

Grade Level	12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will engage in a comprehensive experience in performance theatre arts. Students must perform as a course requirement. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement with administrative approval. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Summer Theatre Tech 66200

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will engage in a comprehensive technical experience in performance theatre arts. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement with administrative approval. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

English

Contemporary American Text 03780

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will study contemporary American literature, analytic reading, and composition through cultural texts. This course meets the language arts graduation requirement.

Contemporary Literature 03620

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Student will study the movements, themes, and styles developed in recent literature. Students will read daily, participate in analytical discussions, and write essays interpreting, analyzing, or comparing works of established authors. This course meets the language arts graduation requirement.

Creative Writing 03910

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will receive the foundational skills to write poetry, prose, creative nonfiction, and drama. Additionally, students will have the opportunity to write for various publications and contest entries. This course meets the language arts graduation requirement.

English 100 03861/03862

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will acquire reading comprehension and writing skills through the study of language, grammar, sentence structure, and the paragraph/essay form. Students will engage in analytical reading of paragraphs/essays and practice with usage, diction, semantics, basic mechanics and sentencing. This course meets the language arts graduation requirement.



English Composition 03900

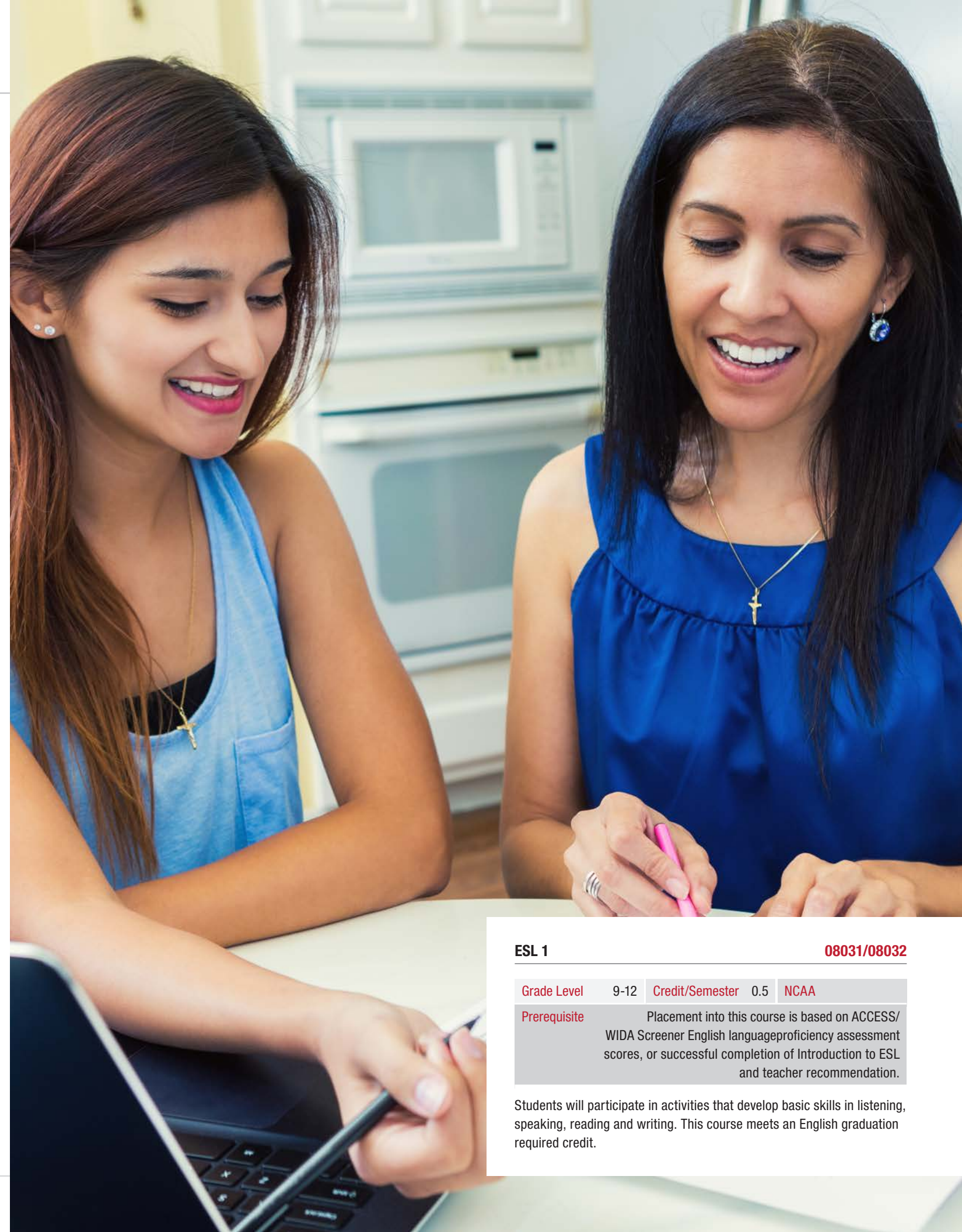
Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will utilize a variety of writing experiences designed to understand new concepts to develop increased writing, reading, and research skills. Students will study and compose papers based on models for persuasion, classification, narration, and literary analysis. This course meets the language arts graduation requirement.

English Composition-ASU 63001

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Program Admission				

Students will learn language and the ability to communicate effectively are critical skills in the global economy. Writing and composition are vital to communicating ideas clearly. This introductory writing course will help students develop and express ideas effectively for a variety of purposes, audiences and occasions. During the course, students will complete several major written projects, along with a reflection for each project. For each project, students can decide what level of technology they wish to use. Students successfully completing this course may receive early college credit.



ESL 1 08031/08032

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	Placement into this course is based on ACCESS/WIDA Screener English language proficiency assessment scores, or successful completion of Introduction to ESL and teacher recommendation.				

Students will participate in activities that develop basic skills in listening, speaking, reading and writing. This course meets an English graduation required credit.

ESL 1 08031/08032

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement into this course is based on ACCESS/WIDA Screener English language proficiency assessment scores, or successful completion of Introduction to ESL and teacher recommendation.			

Students will participate in activities that develop basic skills in listening, speaking, reading and writing. This course meets an English graduation required credit.

ESL 1 Strategies 08021/08022

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement is based on ACCESS /WIDA Screener English language proficiency assessment scores and teacher recommendation.			

Students will participate in activities that reinforce the literacy skills currently taught in ESL 1. In addition, students will learn practical reading strategies and study skills. This course meets an elective graduation required credit.

ESL 2 08051/08052

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement is based on ACCESS/WIDA Screener English language proficiency assessment scores and teacher recommendation.			

Students will participate in activities that focus on developing intermediate skills in listening, speaking, reading and writing. This course meets an English graduation required credit.

ESL 2 Strategies 08041/08042

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement is based on ACCESS/WIDA Screener English language proficiency assessment scores and teacher recommendation.			

Students will learn practical reading strategies and study skills. This course meets an elective graduation credit.



ESL 3 08071/08072

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement is based on ACCESS/WIDA Screener English language proficiency assessment scores and teacher recommendation.			

Students will participate in activities that focus on developing more advanced skills in listening, speaking, reading and writing. This course meets an English graduation required credit.

ESL 3 Strategies 08061/08062

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Placement is based on ACCESS/WIDA Screener English language proficiency assessment scores and teacher recommendation.			

Students will learn practical reading strategies and study skills. This course meet an elective graduation required credit.

ESL Tutorial 08081/08082

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will receive support to help them achieve ESL course outcomes. This course meets one of the elective graduation requirements.

Folklore, Myth and Legend 03700

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will learn various myths, legends, fables, and folklore that form the background and tradition of our literary heritage. Students will study both thematic and chronological and may emphasize either classical or American cultural foundation. This course meets the language arts graduation requirement.

Honors World Literature and Composition 03851/03852

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will examine a vast array of sophisticated world literature through the study of its traditions, techniques, and genres. Students will receive accelerated instruction in the writing process. Students will receive additional support in basic reading, writing skills, and vocabulary. This course meets the language arts graduation requirement.



Honors Written and Oral Communication 03991/03992

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will engage in highly advanced written and oral communication skills. Students will be actively involved in research methodology, writing, and speaking. Students will review accelerated grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia presentations. This course meets the language arts graduation requirement.

Humanities/Composition 04131/04132

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will study literature, sculpture, painting, architecture, music, and philosophy not in isolation but as products of historical forces that shape their forms and meanings. Students will also experience college preparatory writing, including a research paper. This course meets the language arts graduation requirement.

Humanities/Fine Arts 03600

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will focus on the interrelationship of art, music, literature, history, and philosophy from ancient times through the Renaissance. Students will examine art works and ideas and read, write, discuss, and analyze extensively. This course meets the language arts and fine arts graduation requirement.

Humanities/Literature 1 03580

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will examine the arts in the context of the societies that created them. Students will study literature, sculpture, painting, architecture, music, and philosophy as products of historical forces that shape their forms and meanings. This course meets the language arts graduation requirement.

Humanities/Literature 2 03590

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will continue with the study of Humanities/Literature 1 and further examine the arts in the context of the societies that created them focusing on the Renaissance to modern times. Students will study literature, sculpture, painting, architecture, music, and philosophy as products of historical forces that shape their forms and meanings. This course meets the language arts graduation requirement.

English

Introduction to ESL 1: Reading 08011/08012

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Concurrent Enrollment in 8001/8002			

Students will participate in activities developing basic skills in listening, speaking, reading and writing. This course meets one of the English graduation requirements. Placement into this course is based on ACCESS/WIDA Screener assessment.

Introduction to ESL 1: Writing 08001/08002

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Concurrent Enrollment In 08011/08012			

Students will participate in activities developing basic skills in listening, speaking, reading and writing. This course meets one of the English graduation requirements. When taken in conjunction with Introduction to ESL 1 Reading this course meets an elective graduation credit. Placement into this course is based on ACCESS/WIDA Screener assessment.



Language Arts and Oral Communication 1 02140

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will focus on increased reading decoding and comprehension skills. Students will also practice beginning writing skills such as writing complete sentences, letters and short reports, spelling, and grammar. Upon successful completion of this course, it is recommended that students take Language Arts and Oral Communication 2 (02150).

Language Arts and Oral Communication 2 02150

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will address skills to increase reading decoding and comprehension skills. Students will practice beginning writing skills such as writing complete sentences, letters and short reports, spelling and grammar. Upon successful completion of this course, it is recommended that students take Preparatory Language Arts 3 (02160).

Language Arts 3 02160

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	02140 and 02150			

Students will increase word analysis skills, fluency and comprehension skills as well as improving writing skills. Students will learn to write using a variety of sentence structures and write standard, well-organized paragraphs. Upon successful completion of this course, it is recommended that students take Language Arts 4 (2170).

Language Arts 4 02170

Grade Level	10	Credit/Semester	0.5	NCAA
Prerequisite	02140 and 02150			

Students will increase word analysis skills, fluency and comprehension skills as well as improving writing skills. Students will learn to write using a variety of sentence structures and write standard, well-organized paragraphs. This course is intended for students who need additional work in the English language arts.

Multicultural Literature 03760

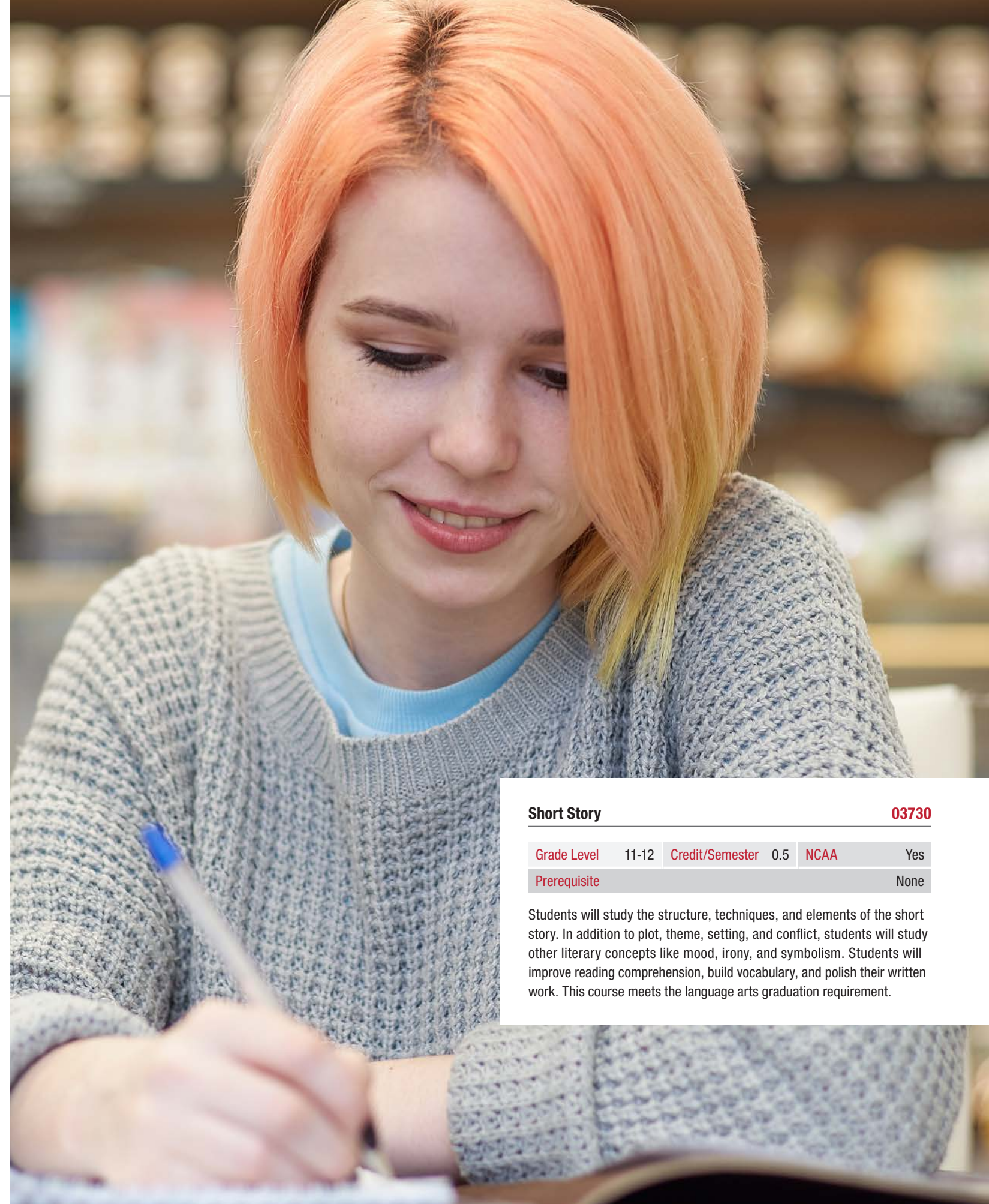
Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will analyze, discuss, and write about contemporary diverse literature. Students will focus on the needs, concerns, and experiences of African-Americans, Asian Americans, Native Americans, Latin Americans, and American women through fiction/nonfiction. This course meets the language arts graduation requirement.

Short Story 03730

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will study the structure, techniques, and elements of the short story. In addition to plot, theme, setting, and conflict, students will study other literary concepts like mood, irony, and symbolism. Students will improve reading comprehension, build vocabulary, and polish their written work. This course meets the language arts graduation requirement.





Multiculturalism/Creative Writing 04141/04142

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will analyze, discuss, and write about contemporary diverse literature. Students will focus on the needs, concerns, and experiences of African-Americans, Asian Americans, Native Americans, Latin Americans, and American women through fiction/nonfiction. Students will have the opportunity to write for publication. This course meets the language arts graduation requirement.

Multimedia Academy 09490

Grade Level	12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will apply their accumulated multimedia communication, storytelling, production and design skills to real-world contexts as they engage in hands-on learning opportunities. This is the capstone course in the Multimedia Pathway.

Multimedia Production 09200

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will connect classroom instruction to hands-on field experiences by beginning to create high-quality productions across multiple media platforms. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the third course in the Multimedia Communications Pathway.

Multimedia Practicum 09270

Grade Level	12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will apply multimedia concepts to real-world scenarios by working as writers or editors, web and social media content creators, photographers, artists or designers. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the seventh course in the Multimedia Communications Pathway.

Multimedia Storytelling 09290

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will learn about the foundations of storytelling and explore all facets of digital story design and production, focusing specifically on how to choose the best media for telling stories on multiple digital platforms. This course will include ten hours of fieldwork and expose students to multimedia career opportunities. This is the fifth course in the Multimedia Communications Pathway.

Philosophical Literature 03640

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will study metaphysics, ethics, epistemology, and religion in a survey of the great thinkers from Greek to modern times. Student will develop essays interpreting, analyzing, or comparing works of established authors. This course meets the language arts graduation requirement.

Popular Literature 03740

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will read, discuss, and write about popular fiction, nonfiction, drama, or poetry related to situations and problems young people face. This course meets the language arts graduation requirement.

Prep Reading Skills 02250

Grade Level	9	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will develop strategies for time management, task completion, test preparation, test completion, communication, and problem solving.

Preparatory Reading 02191/02192

Grade Level	9	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will improve their reading comprehension using a variety of reading materials, both fiction and nonfiction. Students will develop their study, note taking, and test-taking skills. Incoming freshman that need additional work in reading will take this course in conjunction with Written and Oral Communication.

Professional Written Communications 03880

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will engage in standards-based analytical, proposal, and report writing, with special attention given to editing, style manuals, research writing, and collegiate writing. Students will utilize technology to prepare for future college majors in STEM or business programs, synthesizing college and career readiness. This course meets the language arts graduation requirement.

Reading and Writing 1 01981/01982

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will develop essential skills in reading and writing in an integrated language arts class for students who need work in fundamental areas. Students will write a variety of paragraphs, expand vocabulary skills through study of Greek and Latin roots, review grammar and usage, and read an assortment of fiction and nonfiction texts.



Reading and Writing 2 02001/02002

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	Division Head Approval				

Students will further study and practice basic reading and writing skills. The content of the course includes developing sentences, paragraphs, and essays; expanding vocabulary; and reading and analyzing literature.

Reading Laboratory 02111/02112

Grade Level	9	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will learn practical reading strategies and study skills to utilize in their core courses. Students two or more years below grade level will take this course in addition to their core English class. Prerequisite Placement is based on standardized test and/or teacher recommendation.

Reading Skills 02050

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	Division Head Approval				

Students will study and practice additional work in reading skills, reading fluency and reading comprehension.

Reading Skills 2 02030

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study and practice of reading skills, reading fluency and reading comprehension.

Reading Skills 4 02070

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn reading skills by participating in this additional reading course.

Senior English 02131/02132

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will engage in activities to develop language skills in preparation for the workplace and civic participation. Students will engage in a variety of genres including news media and nonfiction. Students will engage in an extensive writing curriculum incorporating technical, business, personal, and civic writing. This course meets the language arts graduation requirement.

Short Story 03730

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will study the structure, techniques, and elements of the short story. In addition to plot, theme, setting, and conflict, students will study other literary concepts like mood, irony, and symbolism. Students will improve reading comprehension, build vocabulary, and polish their written work. This course meets the language arts graduation requirement.



Technical Theatre 03080

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn the history, structure, styles of drama, and the backstage procedure of theatre along with the construction/handling of scenery, the design/operation of lighting, the safe use of tools, and the basics of stage managing. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement with administrative approval.

World Literature and Composition 03831/03832

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	One (1) year of Language Arts Core Curriculum				

Students will examine a vast array of modified world literature through the study of its traditions, techniques, and genres. Students will receive extensive instruction in the writing process. Students will receive additional support in basic reading, writing skills, and vocabulary. This course meets the language arts graduation requirement.

World Literature and Composition 03841/03842

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will examine a vast array of world literature through the study of its traditions, techniques, and genres. Students will receive extensive instruction in the writing process. Students will receive additional support in basic reading, writing skills, and vocabulary. This course meets the language arts graduation requirement.

World Literature and Composition Integrated 04171/04172

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will examine a vast array of world literature through the study of its traditions, techniques, and genres. Students will receive extensive instruction in the writing process and additional support in basic reading, writing skills, and vocabulary. This course is taken in an integrated format with World History. This course meets the language arts/social science graduation requirements.

Writing and Oral Communication Integrated 04161/04162

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will be actively involved in research methodology, writing, and speaking. Students will review grammar and usage, study vocabulary, read selected fiction/nonfiction texts, and utilize technology to develop multimedia presentations. This course is taken in an integrated format with Human Geography. This course meets the language arts/ social science graduation requirements.

Writing Skills 2 02040

Grade Level	10	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will study and practice in basic writing skills, this course includes developing sentences, paragraphs, and essays; expanding vocabulary; and responding to literature. This course meets one of the requirements for grade 10.

Writing Skills 3 02060

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will study and practice basic writing skills while developing sentences, paragraphs, and essays; expanding vocabulary; and responding to literature.

Written and Oral Communication 02101/02102

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will receive an introduction to effective written and oral communication skills. Students will be actively involved in research methodology, writing, and speaking. Students will review grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia presentations. This course meets the language arts graduation requirement.

Written and Oral Communication 02561/02562

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will engage in more advanced written and oral communication skills. Students will be actively involved in research methodology, writing, and speaking. Students will review grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia presentations. This course meets the language arts graduation requirement.

Yearbook 1 03150

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 2 03160

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	03150 or Division Head Approval			

Students will learn more advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.



Yearbook 3 **03170**

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	03160 or Division Head Approval			

Students will learn highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 4 **03180**

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	03170 or Division Head Approval			

Students will master highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 5 **03320**

Grade Level	11	Credit/Semester	0.5	NCAA
Prerequisite	03180 or Division Head Approval			

Students will master and contribute to highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 6 **03330**

Grade Level	11	Credit/Semester	0.5	NCAA
Prerequisite	03320 or Division Head Approval			

Students will master and further contribute to highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 7 **03340**

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	03330 or Division Head Approval			

Students will master, contribute, and develop highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.

Yearbook 8 **03350**

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	03340 or Division Head Approval			

Students will master, contribute, and further develop highly advanced principles of information gathering, copywriting, layout, copy fitting, photography, picture cropping, editing, word processing, and proofreading. Credit earned in this course does not apply toward required English credits. However, the credit does apply toward graduation.



Course Descriptions

Fine Arts



*Not all courses are offered at all schools. Please see your school counselor for additional information.

Fine Arts



2-D Art 1 01360

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01011/01012			

Students will search for personal approaches and solutions to creating a visual statement and explore new approaches in drawing, painting, printmaking, and mixed media. This course centers on contemporary issues in design.

2-D Art 2 01370

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01360			

Students will continue to search for personal approaches and solutions to creating a visual statement at an advanced conceptual level utilizing drawing, painting, printmaking, and mixed media processes. This second level two-dimensional art course focuses on contemporary artists and issues in contemporary art and art history.

2-D Art 3 01380

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01370			

Students will work to develop critical thinking in relationship to theories of aesthetics and explore art criticism regarding both student and professional art. Students will also focus on art as problem-solving and communication.

3-D Art 1 01330

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01011/01012, 01310 or Division Head Approval			

Students will explore three-dimensional design concepts through media such as jewelry, ceramics, and sculpture. Students will be introduced to techniques in construction and processes in three-dimensional design.

3-D Art 2 01340

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01330			

Students will develop advanced methods of casting, fabricating, and modeling through media such as metal, ceramics, plastic, and wood.

3-D Art 3 01350

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01340			

Students will search for personal approaches and solutions to creating a visual statement and explore new techniques in media such as jewelry, sculpture, and ceramics. This course centers on contemporary issues in design.

Advanced Art 1 01940

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01930			

Students will develop the conceptual and technical skills necessary for an individual portfolio of work. Advanced art students will compile portfolios of individually developed work. This course is advantageous to students interested in Advanced Placement Art and/or the study of art at the collegiate level.

Advanced Art 2 01950

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01940			

Students will develop the conceptual and technical skills necessary for an individual portfolio of work. This course is advantageous to students interested in Advanced Placement Art and/or the study of art at the collegiate level. This course is a continuation of Advanced Art 1 (01940).

Advanced Guitar Workshop 01761/01762

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	01851/01852			

Students will study various genres of guitar music, advanced picking styles, and solo work. As students advance, there will be a focus on ensemble playing duos, trios, and quartets. Styles of guitar will include classical, jazz, and folk. This course may be repeated for credit. This course satisfies the district's fine arts graduation requirement.

Advanced Imaging 1 01390

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Three (3) semesters of Art			

Students will create images combining traditional forms of art with digital imagery from the computer in this advanced art and photography interdisciplinary course. Students will learn the beginning levels of Adobe Photoshop and Fractal Painter with emphasis on the creative development of images.

Advanced Imaging 2 01400

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01390			

Students will further their development of interdisciplinary art using the computer as the primary tool for creating images utilizing multimedia art that integrates text, images, sound, and video and explore advanced technology concerns such as layering, sequencing of images, digital tablet drawing, and sound applications.

Advanced Mixed Choir 01591/01592

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will attain a high degree of proficiency in sight reading, ear training, and vocal development. Composed primarily of juniors and seniors, this selective mixed group of voices represents students capable of performing more advanced choral literature. This course satisfies the district's fine arts graduation requirement.

Advanced Photography Studio 01490

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01240			

Students will further develop the conceptual and technical skills necessary for an individual portfolio of work. This course is advantageous to students interested in AP Studio Art, the study of photography at the collegiate level, and/or the exploration of various career pathways in photography. This course may be repeated for credit.

Advanced Two-Dimensional Art Studio 01201/01202

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01380			

Students will focus on the emphasis centers on contemporary issues in 2-D design. Students will search for personal approaches and solutions to creating a visual statement and exploring new techniques in various 2-D media. This course may be repeated for credit.

Advanced Three-Dimensional Art Studio 01211/01212

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01350			

Students will focus on the emphasis centers on contemporary issues in 3-D design. Students will search for personal approaches and solutions to creating a visual statement and exploring new techniques in various 3-D media. This course may be repeated for credit.

Advanced Theater Workshop 01740

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	03310,03080 or Consent of Instructor			

Students will develop the conceptual and technical skills and leadership necessary for putting on various theatrical productions. This course is advantageous to students interested in the study of theatre, directing, technical theater and/or the exploration of career pathways in theatre. This does not fulfill the English graduation credit. This course may be repeated for credit.



AP Art History 01441/01442

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will gain an understanding of architecture, sculpture, painting, and other arts within diverse historical and cultural context in this advanced placement/ introductory college course in art history. Students will examine and analyze major forms of artistic expression from the past and present from various cultures. This course satisfies the district's fine arts graduation requirement.

AP Music Theory 01681/01682

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will focus on aural training, sight-reading, and advanced music analysis. In addition to reviewing the basics of music, students will explore advanced musical forms, historical periods, composers and compositional techniques. Music Theory is designed for students interested in pursuing a career in a music-related field. Students will prepare to take the AP examination in May.

AP Studio Art (2-D, 3-D, Drawing) 01291/01292

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be immersed in the practical art experience that allows students the opportunity of a challenging college level course which focuses on more sophisticated concepts and techniques. Students will submit portfolios that are either Drawing, 2-D, or 3-D Design.

AP Studio Art 2-D Design 01171/01172

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Consent of Instructor or Division Head Approval			

Students will demonstrate a mastery of 2-D design through any two-dimensional medium or process, including, but not limited to, photography, digital imaging, collage, weaving, illustration, painting, graphic design and printmaking.

AP Studio Art 3-D Design 01181/01182

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will demonstrate a mastery of 3-D design through any three-dimensional approach, including, but not limited to, figurative sculptures, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts.

AP Studio Art Drawing 01191/01192

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will explore a very broad interpretation of drawing issues and media that include line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media etc.

Art 1 01011/01012

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will develop the skills towards artistic and human values based on the concepts of visual communication and expressions. Students will experience visual elements and design principles through a sequential arrangement of problems utilizing selected techniques and art media. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Art Imaging 1 01450

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will explore drawing, color theory, and the elements and principles of design. Students will use these tools in creative and inventive ways to communicate their visual ideas while utilizing digital cameras, slide scanners, and scanners to digitize their original photographs, drawings, and designs. This course satisfies the district's fine arts graduation requirement.

Art Imaging 2 01460

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01450			

Students will create and express visual ideas in this second semester of a computer course. The first course teaches the basics of art through the use of computers. This course centers on complex and personal approaches to imaging. The students will learn techniques in Adobe Photoshop and Illustrator. Personal development of ideas and creative approaches to imaging is emphasized.

Art Portfolio 1 01270

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will compile a portfolio of selected representational pieces of their work to fulfill college or technical art school entry requirements. Students in this advanced art class will benefit from instructor assistance and expertise in developing a visual presentation of their artistic potential and range of capabilities.

Art Portfolio 2 01280

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will further compile a portfolio of selected representational pieces of their work to fulfill college or technical art school entry requirements. Students in this advanced art class will benefit from instructor assistance and expertise in developing a visual presentation of their artistic potential and range of capabilities.

Fine Arts

Art Survey 01250

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will receive instruction in drawing, painting, and three-dimensional art. Students will also study how visual art interrelates with the other arts. This course meets the district's fine arts graduation requirement.

Beginning Choir 01501/101502

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn the fundamentals of vocal production, sight reading, diction, and musical interpretation. Additionally, students will learn the elements of choral singing through various study and performance practices. Classes may be divided into soprano/alto and tenor/bass sections. This course satisfies the district's fine arts graduation requirement.

Beginning Mixed Choir 01571/01572

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be taught choral music in a challenging and educational way stressing the basics of choral singing and fundamentals of music reading. Students will learn about good vocal technique as well as how music relates to other forms of art. (This course is recommended for girls in grades 10-12 and boys in grades 9-12.) This course satisfies the district's fine arts graduation requirement.

Beginning Strings 01821/01822

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn to play the violin, viola, cello, or string bass. This course offers instruction in music notation and simple rhythmic patterns as well as bowing techniques, finger and rhythm patterns. Students will study basic to moderately difficult musical literature as well as how music interrelates with other arts. This course satisfies the district's fine arts graduation requirement.

Cadet Marching Band 01751/01752

Grade Level	9--12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study basic music fundamentals and techniques in both individual and group situations. Students with limited musical training and who lack the skills needed for entry into Concert Band are encouraged to take this course. This course satisfies the district's fine arts graduation requirement.

College Introduction to Visual Art 62990

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will develop an awareness of aesthetics, artistic concepts, media, theory and criticism and develop an understanding of visual literacy. To be enrolled in this dual credit course, students must meet prerequisites and complete all requirements. Upon completion of this course, students may receive college/university credit. See dual credit section in academic handbook for details.

Concert Orchestra 01791/01792

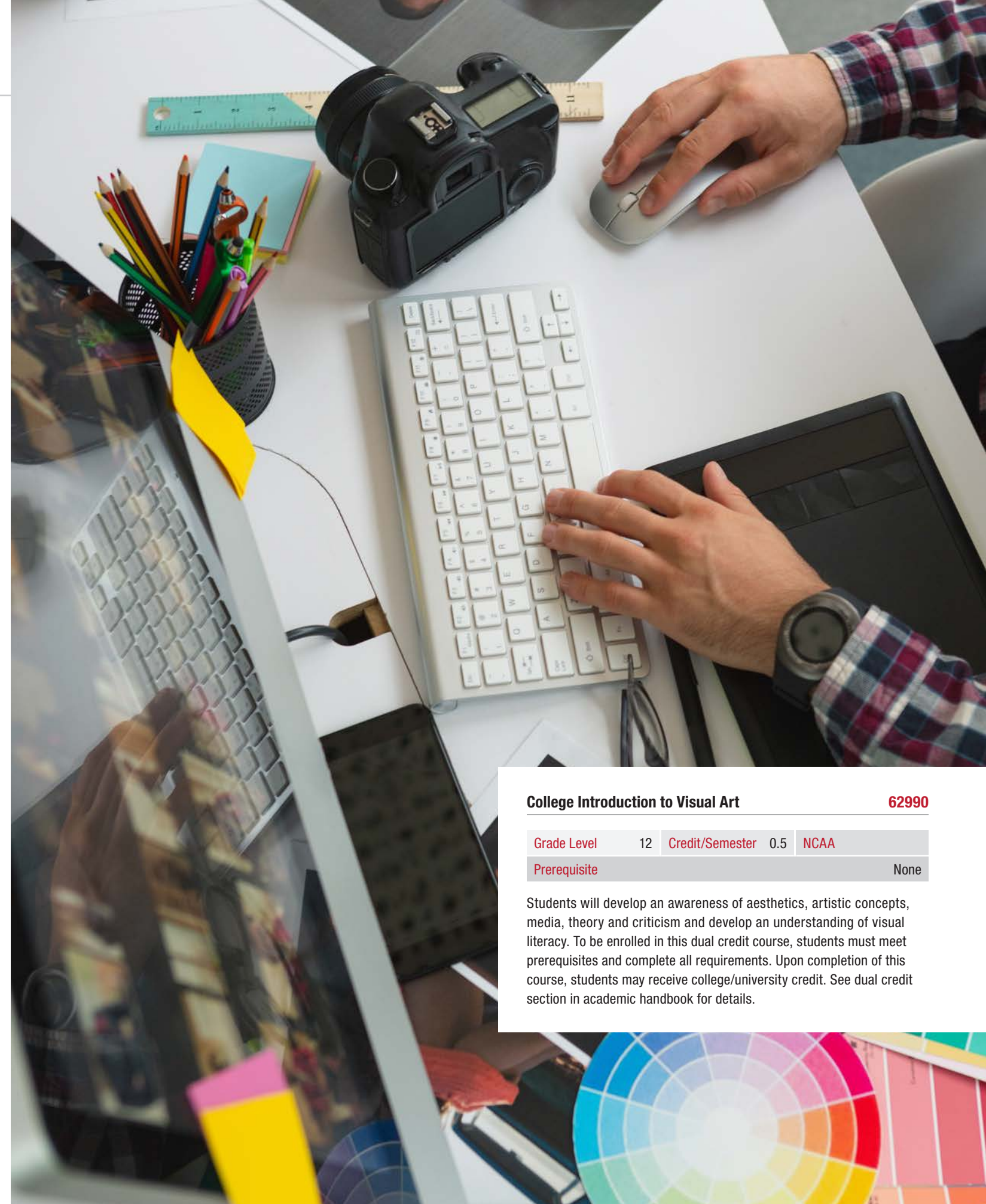
Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will perform orchestra pieces at the intermediate to advanced level. This class meets daily for one period and performs four to six times each year both in school and the community. Students receive one credit for each year they are in the class. This course meets the District 214 fine arts requirement.

Concert/Marching Band 01771/01772

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will learn and perform the marching band competition show. Students will study instrumentation fundamentals and techniques at individual, ensemble, and full band levels, Concert /Marching Band maintains an active performance schedule. Concert/Marching Band students must participate in the Marching Band Program. This course satisfies the district's fine arts graduation requirement.



College Introduction to Visual Art 62990

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will develop an awareness of aesthetics, artistic concepts, media, theory and criticism and develop an understanding of visual literacy. To be enrolled in this dual credit course, students must meet prerequisites and complete all requirements. Upon completion of this course, students may receive college/university credit. See dual credit section in academic handbook for details.

Fine Arts Workshop 03051/03052

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will practice activities to address the pragmatic, social, and communication skills, through fine arts. Utilizing fine arts as a vehicle for learning communication and interpersonal interaction skills to successfully negotiate in everyday life settings. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement. This course may be repeated.

Graphic Arts Design 01260

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will explore two and three-dimensional design through a wide range of media including drawing, painting, jewelry, sculpture, and computer imaging. Students will address technologies employed in the graphic arts field, ranging from layout to production printing. This course satisfies the district's fine arts graduation requirement.

Guitar 1 01841/01842

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will receive instruction in music notation and simple rhythmic patterns as well as right- and left-hand finger and rhythmic patterns. Students will study basic to moderately difficult music and how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

Guitar 2 01851/01852

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	01841/01842			

Students will learn classical guitar repertoire, 12 bar blues, improvisation and lead guitar, and finger picking styles (e.g., Travis picking). This course is a continuation of Guitar 1. This course satisfies the district's fine arts graduation requirement.

Guitar Ensemble 01861/01862

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01851/01852			

Students will continue to build and expand the skills developed in Guitar 1 and 2. Students will participate and perform in ensembles of different sizes and instrumentation and will perform as soloists. They will study music from 16th to 21st century in a wide variety of styles and develop their own music. This course satisfies the district's fine arts graduation requirement.

Harmony and Arranging 1 01871/01872

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Consent of Instructor			

Students will engage in an intensive study of music fundamentals melody, harmony, rhythm, instrumentation, conducting, sight singing, and analysis as they apply to music literature of all historical periods. Students' projects in composition and arranging are designed for those with a previous musical background. This course satisfies the district's fine arts graduation requirement.

Harmony and Arranging 2 01881/01882

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01871/01872			

Students will expand upon the first year's study, leading to advanced musical analysis, arranging, and original composition. Harmony and Arranging 2 is a college preparatory course for students intending to be music majors. This course satisfies the district's fine arts graduation requirement.

Instrumental Ensemble 01811/01812

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will learn the development and improvement of jazz techniques and improvisation. Outside classroom activities include several concerts throughout the school year. This course satisfies the district's fine arts graduation requirement.

Intermediate Art 1 01920

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01011/01012			

Students will practice visual communication emphasizing the principles of design, the development of skills, and the pursuit of a personal imagery. Students will create a variety of two and three-dimensional media which include drawing, painting, sculpture, and design.

Intermediate Art 2 01930

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01920			

Students will further develop visual communication emphasizing the principles of design, the development of skills, and the pursuit of a personal imagery. This course is the continuation of Intermediate Art 1 (01920) emphasizing the building of skills in the development of personal imagery.

Intermediate Mixed Choir 01581/01582

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study vocal literature, both historic and contemporary with emphasis placed on sight reading, ear training, vocal production, and musical expression. Intermediate Mixed Choir is for students with voices in the soprano/ alto/tenor/bass range. This course satisfies the district's fine arts graduation requirement.

Introduction to 3-D Art 01310

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn concepts of visual communication through exploration of visual design elements and principles utilizing three-dimensional materials that include clay, plaster, and metal are some of the materials that may be used. Students will study sculpture and architecture from historic and contemporary periods.

Introductions to the Fine Arts 1 01410

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop problem-solving and critical and creative thinking is the focus of this course through the study of visual art, dance, drama, and music. Students will become more aware of their own and other cultures which create the human mosaic. (At JHHS - for deaf and hard-of-hearing education students only.) This course satisfies the district's fine arts graduation requirement.

Jazz Band 01801/01802

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	01771/01772,01781/01782			

Students will explore standard jazz repertoire as well as more advanced and contemporary compositions. Performance on various occasions is anticipated and encouraged. Students will study how music interrelates with the other arts. This course satisfies the district's fine arts graduation requirement.

Music Workshop 01510

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Must be 16 years old			

Students will have the opportunity to choose one strand of music focus for the duration of the semester. Avenue options may include music theory, music technology, songwriting, learning a new instrument, music research, musical theater, or original ideas with instructor approval. This course may be repeated for credit. This course satisfies the district's graduation requirement for fine arts.

Orchestra 01831/01832

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will advance their fundamental orchestral skill sets. This course achieves full symphonic instrumentation through the addition of selected woodwind, brass, and percussion players. Major concert performances are scheduled throughout the year at both the building and district levels. This course satisfies the district's fine arts graduation requirement.

Fine Arts

Orchestral Winds and Percussion 01891/01892

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Audition			

Students will participate as winds and percussion in a District 214 school orchestra program. This course satisfies the district's fine arts graduation requirement.



Photography 1 01220

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will explore personal imagery and digital imaging utilizing camera, film, and darkroom processes and procedures will be the foundation of this class. This course satisfies the district's fine arts graduation requirement.

Photography 2 01230

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	01220			

Students will continue to explore personal imagery while incorporating advanced darkroom techniques, alternative darkroom methods, and computer processes.

Photography 3 01240

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01230			

Students will further explore the art of photography and advance their technical skills in traditional photography and digital imaging. Students will continue to develop a personal direction in their work.

Sculpture 1 01140

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop a personal statement through the introduction/ exploration of new media, skills, and techniques in this first level exploration of three-dimensional form. Students will give context to the visual statement through exposure to traditional/ contemporary sculpture techniques. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Sculpture 2 01150

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	01140			

Students will focus on a particular technique or material in the exploration of a personal statement in this second level sculpture course. Students may be introduced to additional methods and materials at the discretion of the teacher. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Sculpture 3 01160

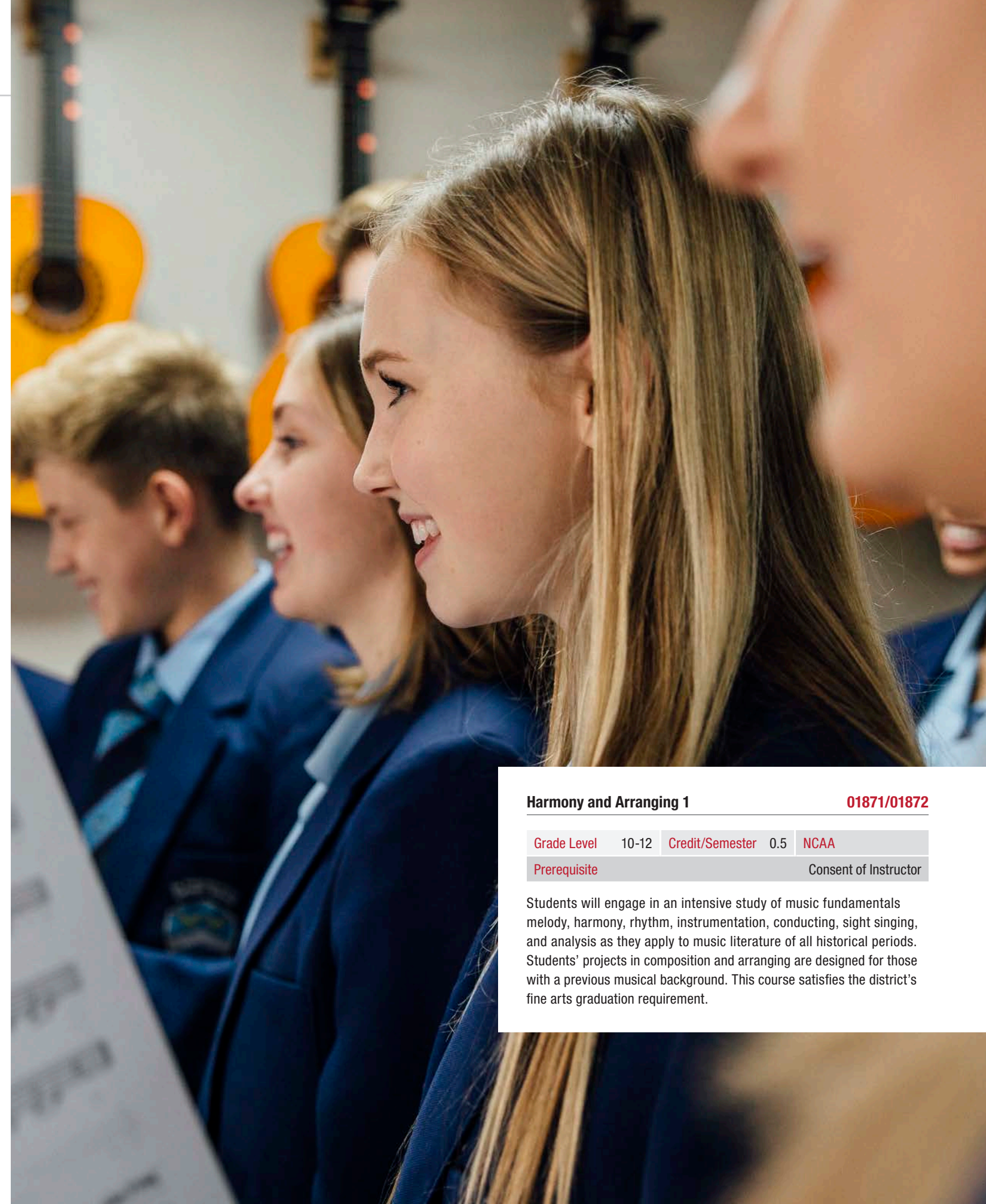
Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	01150			

Students will explore their ability to individualize and focus on the acceptance of sculptural entity as a manifestation of self, concept, media, and technique in this third level course. Credit earned in this course does apply toward graduation and satisfies the fine arts requirement.

Harmony and Arranging 1 01871/01872

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Consent of Instructor			

Students will engage in an intensive study of music fundamentals melody, harmony, rhythm, instrumentation, conducting, sight singing, and analysis as they apply to music literature of all historical periods. Students' projects in composition and arranging are designed for those with a previous musical background. This course satisfies the district's fine arts graduation requirement.



Fine Arts

String Ensemble 01901/01902

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will emphasize the standard 18th and 19th century string ensemble literature as well as the works of contemporary composers. Public performance may be an integral part of the course. This course satisfies the district's fine arts graduation requirement.

Symphonic/Marching Band 01781/01782

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Audition			

Students will perform symphonic music literature that is complex and challenging. In addition to a concert schedule, members may perform in a solo and/or ensemble situation. Participation in other musical organizations (orchestra, jazz) is encouraged. Symphonic/Marching Band students must participate in Marching Band Program. This course satisfies the district's fine arts graduation requirement.

Technical Theatre 03080

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn construction, handling of scenery, design and operation of lighting, the safe use of tools, the basics of stage managing, and basic elements of running a play. As part of the requirement for this course there will be a performance component in order to fulfill the graduation fine arts credit. This course satisfies the district's fine arts graduation requirement.

Treble Choir 01541/01542

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will study treble vocal literature, both historic and contemporary, are featured with emphasis placed on sight reading, ear training, vocal production, and musical expression. Treble Choir is for sophomore, junior, and senior students with voices in the soprano/alto range. This course satisfies the district's fine arts graduation requirement.



Vocal Ensemble 1 01631/01632

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study a wide variety of literature ranging from classical to popular/jazz styling, depending on the group's area of specialization. Activities are performance-oriented and often require theatrical movement. Singers in Vocal Ensemble 1 are selected through an audition process. This course satisfies the district's fine arts graduation requirement.

Vocal Ensemble 2 01641/01642

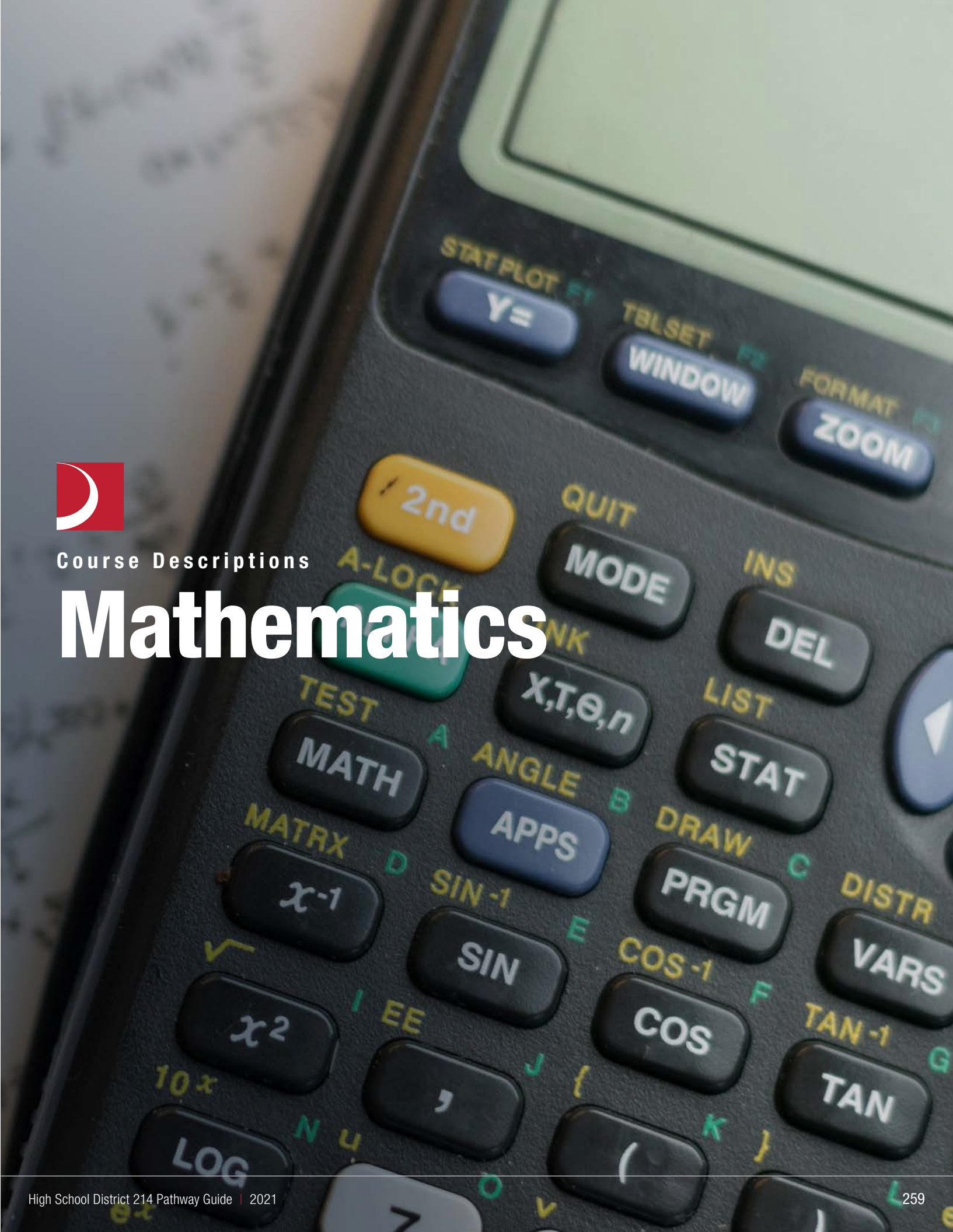
Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Consent of Instructor			

Students will explore a wide variety of literature ranging from classical to popular/jazz styling, depending on the group's area of specialization. Activities are performance oriented and often require theatrical movement. Singers in Vocal Ensemble 2 are selected through an audition process. This course satisfies the district's fine arts graduation requirement.



Course Descriptions

Mathematics



Mathematics



Algebra 04620

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply introductory algebraic concepts, including real number properties, equations and inequalities, graphing, polynomials and functions. Topics explored in Algebra 04620/04630 are similar to the topics in Algebra 04700/04710 with additional support and differentiation.

Algebra 04630

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply introductory algebraic concepts, including real number properties, equations and inequalities, graphing, polynomials and functions. Topics explored in Algebra 04620/04630 are similar to the topics in Algebra 04700/04710 with additional support and differentiation. This completes the study of Algebra.

Algebra 04700

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply introductory algebraic concepts, including real number properties, equations and inequalities, graphing, polynomials and functions.

Algebra 04710

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply introductory algebraic concepts, including real number properties, equations and inequalities, graphing, polynomials and functions. This course completes the study of Algebra.

Algebra II 04740

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will continue to investigate, explain, analyze and apply their previous algebra experiences in the study of equations, inequalities, polynomials, and systems of equations. They begin their study of polynomial, exponential, and logarithmic functions as well as conic sections.

Algebra II 04750

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will continue to investigate, explain, analyze and apply their previous algebra experiences in the study of equations, inequalities, polynomials, and systems of equations. New topics will include polynomial, exponential, and logarithmic functions as well as conic sections. This course completes the study of Algebra II.

AP Calculus AB 04861/04862

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of 04840/04850/ Division Head Approval				

Students will explore, analyze, explain and apply concepts, methods, and applications of differential and integral calculus in preparation for the Calculus AB Advanced Placement Exam.

AP Calculus BC 04961/04962

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore, analyze, explain and apply concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series in preparation for the Calculus BC Advanced Placement Exam.

AP Statistics 04881/04882

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore and apply concepts and tools used for collecting, analyzing, and drawing conclusions from data in preparation for the Advanced Placement Statistics Exam.

Calculus 3 04981

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04961/04962 and Division Head Approval				

Students will investigate vector functions, multivariable functions, differential multiple integration, and vector calculus with applications to science and engineering. Students will develop techniques and practice applications of first order ordinary differential equations and higher order linear equations. Topics can include partial differential equations, Fourier series, boundary value problems and Sturm-Liouville theory. This course completes the study of Calculus 3.

College Algebra 64400

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore algebraic and graphical approaches to college algebra. Topics include but are not limited to polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; matrices and mathematical modeling. This course is recommended for students planning to continue studies in mathematics or a related STEM field. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Mathematics

College Algebra-ASU 64411/64412

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Program Admission				

Students will learn to apply algebraic reasoning to solve problems effectively. They will develop skills in linear and quadric functions, general polynomial functions, rational functions and exponential and logarithmic functions and also study systems of linear equations. This course will emphasize problem-solving techniques, specifically by means of discussing concepts in each of three topics. Students successfully completing this course may receive early college credit.

College Calculus 3 64981

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04961/04962 and Division Head Approval				

Students will investigate vector functions, multivariable functions, differential multiple integration, and vector calculus with applications to science and engineering. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Math: A Human Endeavor 64680

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop mathematical reasoning and problem solving through concentrated study of several of the following topics logic, sets, probability, statistics, graph theory, number theory and/or geometry. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Differential Equations 64982

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	64981				

Students will investigate vector functions, multivariable functions, differential multiple integration, and vector calculus with applications to science and engineering. Students will develop techniques and practice applications of first order ordinary differential equations and higher order linear equations. Topics can include partial differential equations, Fourier series, boundary value problems and Sturm-Liouville theory. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Statistics 64450

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04750 or Division Head Approval				

Students will investigate descriptive and inferential statistics including measures of central tendency and dispersion, confidence intervals, and hypothesis testing. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Data Modeling 04201/04202

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04660/04740				

Students will learn beginning and intermediate algebra skills including an introduction to statistics. An emphasis will be placed on data modeling using linear, quadratic, exponential and logarithmic. This course will be delivered through authentic application, problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills. Students who earn a C- or above average over 2 semesters will be able to apply this course for college placement at community colleges and some state universities.

Geometry 04730

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. This course completes the study of Geometry.



Differential Equations 04982

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04961/04962 and Division Head Approval				

Students will investigate vector functions, multivariable functions, differential multiple integration, and vector calculus with applications to science and engineering. Students will develop techniques and practice applications of first order ordinary differential equations and higher order linear equations. Topics can include partial differential equations, Fourier series, boundary value problems and Sturm-Liouville theory. This course completes the study of Differential Equations.

Geometry 04640

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. Topics explored in Geometry 04640/04650 are similar to the topics in Geometry 04720/04730 with additional support and differentiation.

Geometry 04650

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will continue to investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. Topics explored in Geometry 04640/04650 are similar to the topics in Geometry 04720/04730 with additional support and differentiation. This completes the study of Geometry.

Geometry 04720

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture.



Geometry 04730

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. This course completes the study of Geometry.

Honors Algebra II 04800

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of sequences and series permutations, combinations and probability, systems, determinants and factoring, and an in-depth study of functions. This course emphasizes problem-solving and critical thinking at a high mathematical level to prepare students for Honors Precalculus.

Honors Algebra II 04810

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of sequences and series permutations, combinations and probability, systems, determinants and factoring, and an in-depth study of functions. This course emphasizes problem-solving and critical thinking at a high mathematical level to prepare students for Honors Precalculus. This course completes the study of Honors Algebra II.

Honors Algebra II/Precalculus 04900

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of sequences and series, permutations, combinations and probability, systems, determinants and factoring, and an in-depth study of functions. With an introduction to precalculus, this course emphasizes problem solving and critical thinking at the highest mathematical level to prepare students for Honors Precalculus/Calculus A.

Honors Algebra II/Precalculus 04910

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of sequences and series, permutations, combinations and probability, systems, determinants and factoring, and an in-depth study of functions. With an introduction to precalculus, this course emphasizes problem solving and critical thinking at the highest mathematical level to prepare students for Honors Precalculus/Calculus A. This course completes the study of Honors Algebra II/Precalculus.

Honors Geometry 04820

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. This course is offered ONLY during summer school.

Honors Geometry 04830

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures with an emphasis on Euclidean geometry. Applications of algebraic skills will be used to support spatial reasoning and conjecture. This course completes the study of Honors Geometry. This course is offered ONLY during summer school.

Honors Geometry 04920

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures of Euclidean geometry. Algebra skills will be applied and enhanced throughout in preparation for honors algebra II and other pre-calculus topics.

Honors Geometry 04930

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain, and apply the properties of two- and three-dimensional figures of Euclidean geometry. Algebra skills will be applied and enhanced throughout in preparation for honors algebra II and other pre-calculus topics. This course completes the study of Honors Geometry.

Honors Precalculus 04840

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain and apply the following topics functions, trigonometry, complex numbers, conic sections, analytic geometry, sequences and series, and an introduction to calculus including limits, continuity and end behavior.

Honors Precalculus 04850

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain and apply the following topics functions, trigonometry, complex numbers, conic sections, analytic geometry, sequences and series, and an introduction to calculus including limits, continuity and end behavior. This course completes the study of Honors Precalculus.

Mathematics

Honors Precalculus/Calculus A 04940

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain and apply the following trigonometric, inverse, linear, quadratic polynomial, and rational function and their graphs. Students will also explore complex numbers, conic sections and limits.

Honors Precalculus/Calculus A 04950

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, analyze, explain and apply the following trigonometric, inverse, linear, quadratic polynomial, and rational function and their graphs. Students will also explore complex numbers, conic sections and limits. This course completes the study of Honors Precalculus/Calculus A. This course begins, but does not complete, Calculus AB.

Intermediate Algebra 04660

Grade Level	9-12	Credit/Semester	0.50	NCAA	Yes
Prerequisite	Division Head Approval				

Students will continue to investigate, explain, analyze and apply their previous algebra experiences in the study of equations, inequalities, polynomials, and systems of equations. They begin their study of polynomial, exponential, and logarithmic functions as well as conic sections. Algebra 04660 provides additional support and differentiation for students to begin Algebra II.

Mathematical Analysis 04441/04442

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Successful Completion of High School Math Requirements				

Students will increase their algebra and statistics understanding; develop data modeling skills using linear, quadratic, exponential and logarithmic models. Students will learn to organize, interpret, and make predictions based on data obtained through authentic problem-based instruction designed to build mathematical conceptual understanding and critical thinking skills. Students who earn a C- or above average over 2 semesters may be able to apply this course for college placement at community college and some state universities.

Mathematical Applications 04561/04562

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head approval				

Students will develop basic techniques in math as it relates to their life and career after high school. Topics may include finance and consumer decisions, simple programming, measurement, estimation, probability, and statistics.

Mathematical Applications 101 04971/04972

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of 04740/04750/ Division Head Approval				

Students will develop conceptual understanding, problem-solving, decision making and analytic skills dealing with quantities and their magnitudes and interrelationships. Topics include but are not limited to solving systems of equations and inequalities, trigonometry, and complex numbers.

Mathematics 1 04460

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	Division Head Approval				

Students will study the use of whole numbers, place value and number sentences, reading numbers, spelling and writing numbers, and the four basic operations with whole numbers. Students will also practice the use of measurement including time, clocks, calendars, and rulers as well as the use of currency. Students will begin to apply statistical methods of organizing data and making predictions.

Mathematics 2 04470

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	Division Head Approval				

Students will learn the use of whole numbers, place value and number sentences, and the four basic operations with fractions and decimals. Students will practice measurement including time, clocks, calendar, and rulers as well as the use of currency. Students will begin to apply statistical methods of organizing data and making predictions.

College Statistics 64450

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	04750 or Division Head Approval				

Students will investigate descriptive and inferential statistics including measures of central tendency and dispersion, confidence intervals, and hypothesis testing. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Mathematics

Mathematics 3 04480

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	04460 and 04470			

Students will learn concepts related to whole numbers, fractions, and decimals in addition to one and two-step operations and ordering and comparing of whole numbers. Students will calculate various measurements, analyze units of measurement, and study geometric figures. Students will learn statistical methods to be broadened that include the collection, display, and interpretation of data.

Mathematics 4 04490

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	04460 and 04470			

Students will learn whole numbers, fractions, the four basic operations with integers, the concept of a variable, solving one-step equations, and ordering and comparing of whole numbers. Students will calculate measurements and determine the basic properties of geometric figures. Students will learn statistical methods and skills that include the collection, display, and interpretation of data.

Mathematics 50 04500

Grade Level	9	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will advance their study of graphing including plotting points and apply their knowledge through problem solving.

Mathematics 51 04510

Grade Level	9	Credit/Semester	0.5	NCAA
Prerequisite	04500 or Division Head Approval			

Students will advance their study of whole numbers, decimals, fraction, and percent and begin their study of variables and solving one-step equations.

Mathematics 52 04520

Grade Level	9-10	Credit/Semester	0.5	NCAA
Prerequisite	045410 or Division Head Approval			

Students will work with mathematical problems including those focused-on Order of Operations, the use of variables, solving word problems and using mental math, solving basic equations and working with exponents.

Mathematics 53 04530

Grade Level	9-10	Credit/Semester	0.5	NCAA
Prerequisite	04520 or Division Head Approval			

Students will continue to work with mathematical problems including those focused-on Order of Operations, the use of variables, solving word problems and using mental math, solving basic equations and working with exponents.

Mathematics 54 04540

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	04530 or Division Head Approval			

Students will continue the study of topics from Mathematics 50-53.

Mathematics 55 04550

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	04540 or Division Head Approval			

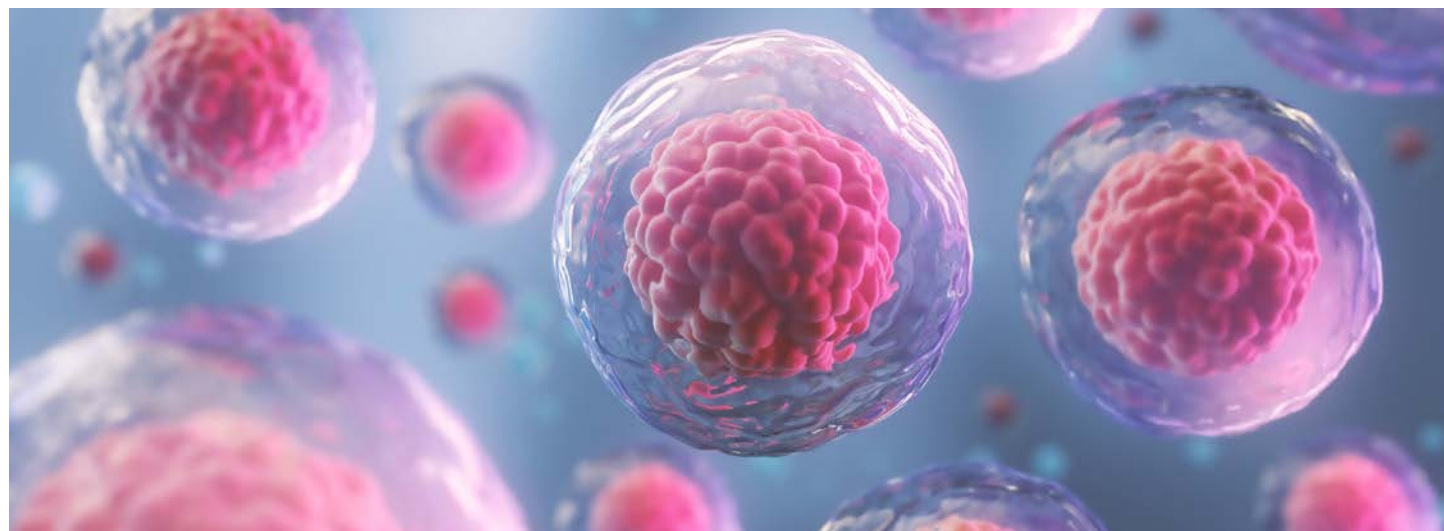
Students will complete the study of topics in Mathematics 50-54.



Course Descriptions

Science

Science



Advance Space Science 05330

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore a comprehensive study of the cosmos. Cosmologies, star evaluations, galaxies and the possibility of existence of extraterrestrial life will be investigated.

Advanced Biology 05341/05342

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore advanced concepts from the following six fields of study in life science molecular/cellular biology, genetics, microbiology, zoology, botany, and ecology.

Agricultural Biology 07981/07982

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate ideas concerning the commonality and diversity of all living organisms. Using agriculture as a learning vehicle, students will model and analyze the central concepts and interrelationships among the following topics cellular and chemical processes necessary for life, growth and reproduction in plants and animals, plant and animal genetics, and heritability of traits.

AP Biology 05411/05412

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop an understanding of an introductory college-level biology course. Students will cultivate their understanding of biology as they explore the following topics evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

AP Biology (Lab) 05421/05422

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent Enrollment in 05411/05412				

Students will engage in laboratory experiences that support the lecture presentation of the topics covered in AP Biology 05411/05412. This course must be taken concurrently with AP Biology 05411/05412.

AP Chemistry 05451/05452

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	05111/05112 or 05121/05122 and concurrent enrollment in 05161/05162 or 05461/05462				

Students will investigate the particulate nature of matter through the lens of four big ideas in Advanced Placement Chemistry scale, proportion and quantity; structure and properties; transformations; and energy. Specific topics to be modeled and analyzed include atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

AP Chemistry (Lab) 05461/05462

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent Enrollment in 05451/05452				

Student will engage in lab practices that support the topics explored in AP Chemistry 05451/05452. This course must be taken concurrently with AP Chemistry 05451/05452.

AP Environmental Science 05431/05432

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	05021/05022, 05111/05112 and Division Head Approval				

Students will investigate the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. In Advanced Place Environmental Science, students will identify natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them.

AP Physics 1 05201/05202

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical, algebra-based, understanding of an introductory college-level physics course. Students will cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

AP Physics C 05441/05442

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent enrollment or prior completion of 04860 or 04960				

Students will investigate Mechanics & Electricity and Magnetism in Advanced Placement Physics C, a calculus-based physics course. Students will cultivate their understanding of physics topics which include changes in motion, force interactions between objects, fields and conservation laws. Students will investigate phenomena using the science practices, while incorporating calculus.

AP Physics C (Lab) 05501/05502

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent enrollment in 05441/05442				

Student will engage in lab practices that support the lecture presentation of the topics covered in AP Physics C 05441/05442. This course must be taken concurrently with AP Physics C 05441/05442.

Biology 05021/05022

Grade Level	9-10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop an understanding surrounding the commonality and diversity of all living organisms and their interactions with each other. This lab-based course will teach students to explore, construct, model and analyze the basic notion of life, including cellular and chemical processes necessary for life.



Biology 504 05041/05042

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop an understanding of the commonality and diversity of all living organisms and their interactions with each other. Students will explore, construct, model and analyze the basic notion of life, including cellular and chemical processes necessary for life. Topics explored in this course are similar to topics in 05021/05022 with additional support and differentiation.

Chemistry 05111/05112

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical understanding of the particulate nature of matter. This lab-based course will teach students to explore, construct, model and analyze the structure of matter, energy, and the potential interactions matter undergoes.

Chemistry 514 05141/05142

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical understanding of the particulate nature of matter. This lab-based course will teach students to explore, construct, model and analyze the structure of matter, energy, and the potential interactions matter undergoes. Topics explored in this course are similar to the topics in Chemistry 05111/05112 with additional support and differentiation.

College Geospatial Technology 67920

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will learn the Geographic Information System (GIS) is the process of combining different layers of maps to manipulate data and provide information. Today, it is used in every sector from politics, health, to business. This class includes introduction to GIS and careers, geographic concepts maps, scale, spatial patterns, map critiquing and designs. The final project includes solving a real-world problem using GIS information. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Human Anatomy and Physiology 68340

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of Honors Physics				

Students will learn about the human body, with emphasis on basic physical and chemical concepts, anatomy, physiology and embryology. Designed to meet the needs of students in certain allied health career programs. This is the second semester course paired with Honors Physics in Healthcare. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements, upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Nanotechnology 66461/66462

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will learn to operate research equipment (such as a scanning electron microscope) to complete hands-on lab experiments in nanotechnology. Students will conduct a research-based investigation related to nanotechnology, developing their skills related to research methodology; employment of ethical research practices; and assessment, analyzation, and synthesis of information. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Ecology 05260

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will study people and other living organisms interacting with the environment. Students will model and analyze fundamental ecological concepts such as ecosystems, population dynamics, abiotic factors, world biomes, balance in nature, and energy transfer.

Environmental Science 05250

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore the basic ecological principles applied in the study of mankind and its impact on the environment. Students will investigate, model and analyze the causes and effects of pollution, animal endangerment, natural resources and energy.

Experiential Medical Physiology and Biochemistry 05000

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	05021/05022, 05111/05112, Concurrent Enrollment in 05130, or Division Head Approval				

Students will have the opportunity to apply the experiences in 05130 via hospital visitation and clinical observation, both designed to develop healthcare career involvement.

Genetics 05180

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	05021/05022 and 05111/05112				

Students will explore, model, and apply an in-depth study of the structure and function of the human body. Students will also investigate an introduction to organic chemistry and biochemistry.

Honors Agricultural Biology 57981/57982

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of Biology				

Students will investigate ideas concerning the commonality and diversity of all living organisms. Using agriculture as a learning vehicle, students will model and analyze the central concepts and interrelationships among the following topics cellular and chemical processes necessary for life, growth and reproduction in plants and animals, plant and animal genetics, and heritability of traits.

Honors Biology 05031/05032

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will develop an understanding of the commonality and diversity of all living organisms and their interactions with each other. This lab-based course will teach students to explore, construct, model and analyze the basic notion of life, including cellular and chemical processes necessary for life. Topics explored are similar to the topics in 05021/05022 at an increased pace and depth.

Honors Chemistry 05121/05122

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical understanding of the particulate nature of matter. This lab-based course will teach students to explore, construct, model and analyze the structure of matter, energy, and the potential interactions matter undergoes. Topics explored in Honors Chemistry are similar to the topics in Chemistry 05111/05112 at an increased pace and depth.

Honors Medical Physiology and Biochemistry 05130

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	05021/05022, 05111/05112, 05280 Concurrent Enrollment				

Students will explore, model, and apply an in-depth study of the structure and function of the human body. Students will also investigate an introduction to organic chemistry and biochemistry.

Science

Honors Physical Science 05561/05562

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

In this lab-based course, students will explore the topics of physical sciences such as physics, chemistry, earth science, and astronomy through a collaborative, problem-based approach. The course will examine several topics of pressing importance and students will make connections between science, politics, economics, and global policy. Students will develop and enhance skills related to measurement, graphing, data analysis, mathematical reasoning, modeling, and communication. The course requires additional challenging activities, assignments, projects, and presentations that go deeper into the topics and include more advanced readings.

Honors Physics in Healthcare 08160

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	Concurrent Enrollment in a Health Careers Pathway Course				

In this lab-based course, students will investigate the human body and health careers using an algebra-based, physics lens. Students will model and analyze topics which include motion, forces, inertia, momentum, impulse, work, energy, wave, sound, light and optics. This first semester course is paired with a second semester study of College Introduction to Human Anatomy and Physiology (68340).

Human Physiology 05280

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will investigate, model and analyze an in-depth study of the structure and function of human systems.

Human Physiology 2 05360

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore the human body, health, diseases, and medically related careers not experienced in Human Physiology 1. Students will investigate, model and analyze areas of anatomy and physiology including major body systems, the cardiovascular system, the respiratory system, the endocrine system, the reproductive system, the lymphatic system, and digestive system.

Introduction to Solar System-ASU 65001

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Program Admission				

Students will explore the origins, structure, contents and evolution of our solar system and exosolar planetary systems. Students will cover the history of astronomy, properties of light instruments, the study of the solar system and nearby stars. Students successfully completing this course may receive early college credit.

Oceanography 05270

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore an introduction to oceanography. Students will investigate, model and analyze the geological, physical, chemical and biological properties of the sea and sea life, including shoreline development, ocean basin, topography, waves, current, properties of salt water and marine organisms.

Physical Science 05071/05072

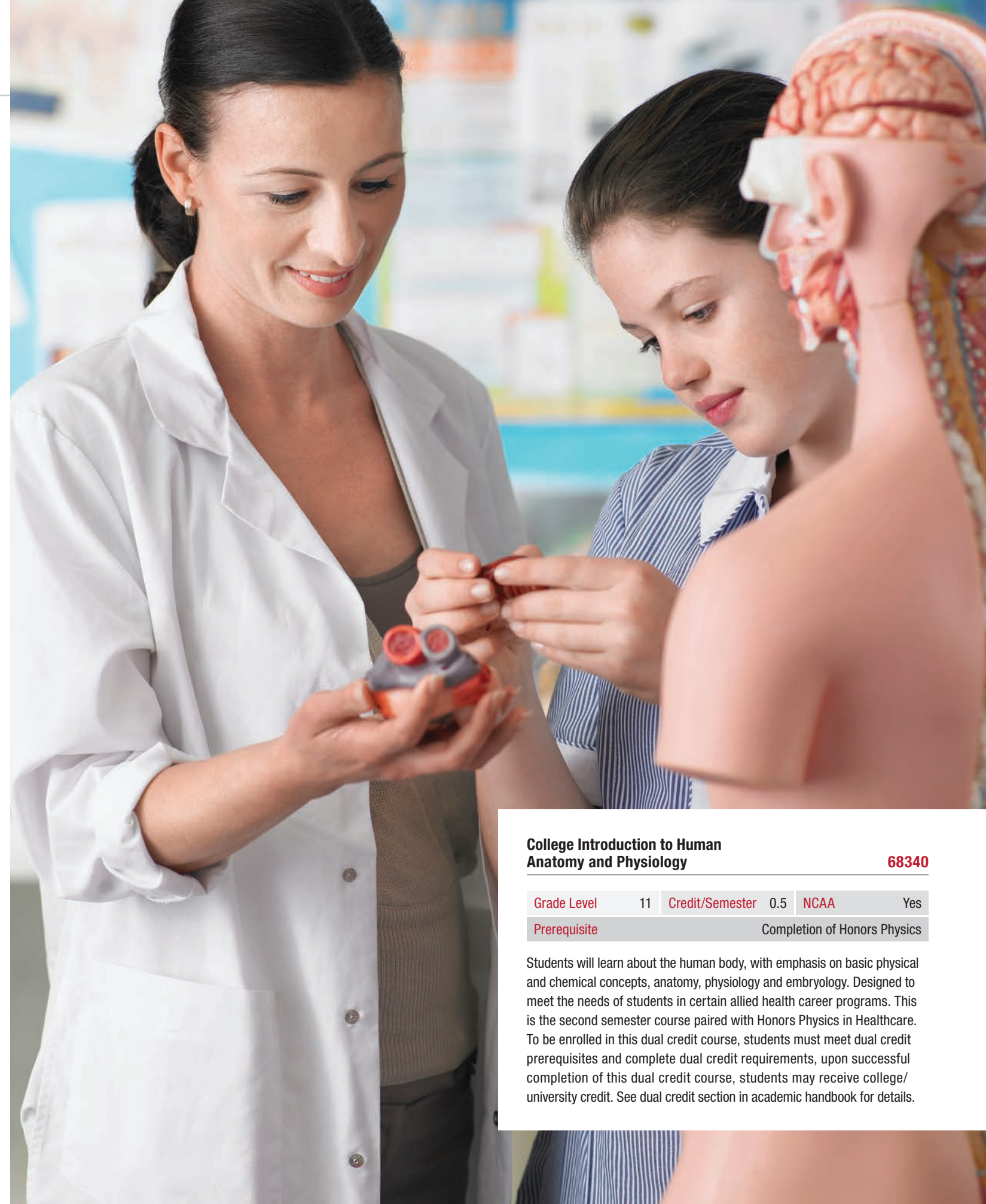
Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

In this lab-based course, students will explore the topics of physical sciences such as physics, chemistry, earth science, and astronomy through a collaborative, problem-based approach. Students will develop and enhance skills related to measurement, graphing, data analysis, mathematical reasoning modeling, and communication. Students will be encouraged to explore the relationship between science and everyday life on political, economic, and policy levels.

Physics 05161/05162

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical understanding of the nature and properties of matter and energy. This lab-based course will teach students to explore, construct, model and analyze interactions between objects.



College Introduction to Human Anatomy and Physiology 68340

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Completion of Honors Physics				

Students will learn about the human body, with emphasis on basic physical and chemical concepts, anatomy, physiology and embryology. Designed to meet the needs of students in certain allied health career programs. This is the second semester course paired with Honors Physics in Healthcare. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements, upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Science

Physics **05191/05192**

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop a conceptual and mathematical understanding of the nature and properties of matter and energy. This lab-based course will teach students to explore, construct, model and analyze interactions between objects. Topics explored in Physics 519 are similar to the topics in Physics 05161/05162 with additional support and differentiation.

Zoology **05310**

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore, model and analyze animal anatomy and physiology with an emphasis on comparative study of the taxonomic groups.



Course Descriptions

Social Science

Social Science



Advanced Legal Concepts 07910

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07880, 07890 and Division Head Approval				

Students will apply the principles they learned in previous law pathway courses. Students in this class will also explore advanced legal concepts and legal issues. Students will engage with professionals from the legal field and investigate and develop solutions to a real-world career and engage in simulations where they can apply learned concepts.

American Law 07790

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will learn about America's legal system and will have an opportunity to explore potential careers within the field of law. This course will cover an overview of civil law, criminal law, constitutional law, individuals' rights, prejudice, and American attitudes. Students gain insight into the causes and consequences of legal and societal problems that they face in the United States today.

American Studies: U.S. History 07611/07612

Grade Level	11	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Concurrent Enrollment or 04181/04182 or Division Head Approval				

Students will acquire a deeper understanding of their cultural heritage through an interdisciplinary approach through American History and American Literature and Expository Writing. The literature will appear within a historical context, and the important trends and themes will be humanized by the presence of creative arts. This course meets the U.S. History requirement.

AP Economics – Micro & Macro 07931/07932

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will learn broad economic theories and principles such as supply and demand, the profit maximizing production level for firms, decisions regarding the use of labor and other resources, and the role of government in economics. This course will prepare students to take the Advanced Placement Exam.

AP European History 07671/07672

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will use historical thinking skills to analyze European History. Students will learn to analyze primary documents—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course will prepare students to take the Advanced Placement exam.

AP Human Geography 09351/09352

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will learn how early civilizations throughout the world developed beliefs about the nature of the world and how these and other beliefs resulted in laws, religions, languages, economics, communication, and technology that have shaped the modern world. This course will prepare students to take the Advanced Placement exam. This course satisfies the district's graduation requirement for civics.

AP Psychology 07761/07762

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will acquire understandings equivalent to those gained in a college level introductory course. This course is an accelerated study of psychology. Coursework will offer a general study of concepts and theories of the biological bases, learning, development, personality and social psychology. This course will prepare students to take the Advanced Placement Exam.

AP U.S. Government and Politics 07871/07872

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will develop an understanding of the nature of governmental decisions and political power in the United States by discussing such topics as the constitutional foundations of American government, political parties and interest groups, civil rights, and civil liberties. This course will prepare students to take the Advanced Placement Exam.

AP U.S. History 07661/07662

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will use historical thinking skills to analyze US History. Students will learn to analyze primary documents—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course will prepare students to take the Advanced Placement exam.

AP World History 07651/07652

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. Using their knowledge and skills, students will explore comparisons among major societies. This course will prepare students to take the Advanced Placement exam.

Civics 59950

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will gain understanding of the purposes, principles and practices of American government as established by the United States Constitution. Students will understand their rights and responsibilities as American citizens and how to exercise these rights and responsibilities in local, state, and national government. This course meets the civic graduation requirement.



College Legal Research and Argument 69590

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will learn about legal research and the preparation of written arguments and the delivery of oral arguments advocating for the position on a mock client. The course will include role-playing simulations in which students represent attorneys in simulated appellate course proceedings. The focus will be on the analysis of the substantive legal and constitutional issues involved in the annual American Undergraduate Moot Court Association case problem, which changes from year to year. Course topics also include how to locate, read and analyze Supreme Court opinions and statutes, writing strategies for legal briefs, oral argument strategy, and general court structure and procedure. Students will travel to attend at least one intercollegiate moot court competition per semester of enrollment as determined by the instructor. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Macroeconomics 67930

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore the policy options, such as changes in taxation, government spending, the money supply or interest rates, available to government agents to achieve the goal of stable prices, high employment, and steady growth. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Microeconomics 67940

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will explore consumer behavior, how firms decide upon profit-maximizing price and output rates under various market conditions, and of the labor and capital markets. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Middle Eastern Politics 67850

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will gain understanding of Middle Eastern political, social, economic, military, religious and terrorist forces in the Middle East. Students will investigate the politics of countries in the area. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College World Religions 67630

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07810				

Students will examine both contemporary and ancient texts to connect cultural and historical themes that have existed throughout diverse civilizations and compare and contrast the cultures and religions in the context of their social and historical origins. See dual credit section in academic handbook for details. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



Constitutional Law 07890

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07790				

Students will focus on the legal issues raised by the United States Constitution. Students will develop legal reasoning and communication through the analysis and discussion of the principles of law. Students will explore careers within the legal career pathway.

Consumer Education 59940

Grade Level	9-12	Credit/Semester	0.25	NCAA	Yes
Prerequisite	None				

Students will learn financial literacy, including installment purchasing, budgeting, savings and investing, banking, understanding simple contracts, State and federal income taxes, and personal insurance policies. This course meets the consumer education graduation requirement.

Criminal and Civil Law 07880

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07790				

Students will investigate fundamental legal elements of criminal and civil law, the interpretation of law through the courts, and the relationships between law, society, and the justice system. The course will focus on the development of legal reasoning and communication through the analysis and discussion of the principles of law. Students will explore careers within the legal career pathway.

Economics 07830

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to a broad range of economic theories and principles. Coursework will address business, banking, labor, international trade, production, distribution, consumption, investment, and supply and demand.

Honors Human Geography 09420

Grade Level	9	Grade/Semester	0.5	NCAA	
Prerequisite	None				

Students will understand, identify, recognize, and utilize the different principles and responsibilities of governmental power. During semester projects, students will apply their knowledge to access and make use of the different levels and systems of government. Students will have the opportunity to earn Honors credit by incorporating additional components of the Illinois State Civics Standards on unit assessments/projects.

Honors Latin American Studies 16990

Grade Level	10-12	Grade/Sem	0.5	NCAA	
Prerequisite	None				

Students will focus on patterns and themes regarding Latinx history and experiences in the world today, specifically, the United States. Students will develop critical thinking and research skills through the thematic analysis of major issues that impact members of the Latinx community in modern times.

Human Geography 09301/09302

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will understand the world's physical features, how they blend with social systems and how they affect economies, politics, and human interaction. This course is designed for students who will need to study and practice basic writing and reading within the content of social science. This course satisfies the district's graduation requirement for civics.

Human Geography 09311/09312

Grade Level	9	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will understand the world's physical features, how they blend with social systems and how they affect economies, politics, and human interaction. By understanding how political and economic systems influence international events, students will develop the skills and knowledge they will need to be contributing citizens. This course satisfies the district's graduation requirement for civics.

Human Origins-ASU 67001

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Program Admission				

Students will explore the scientific evidence for the evolution of humans and our fossil relatives and humankind's place in the natural world. It includes an introduction to evolutionary theory, an overview of the hominin fossil record and what that record teaches us about our place in nature. Dr. Donald Johanson, a world-renowned paleoanthropologist who found the skeleton known as Lucy, will present an exciting in-depth exploration of paleoanthropological field research from his unique perspective. Students successfully completing this course may receive early college credit.

Introduction to Sociology-ASU 67300

Grade Level	12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Program Admission				

Students will explore the social processes and functions groups form and follow over time in this online course. Students will also gain valuable insight into the dynamics of group relationships, including how to effectively interact with others within a group. Finally, students will learn how the study of sociology applies to daily life.

Latin American Studies 06990

Grade Level	10-12	Grade/Semester	0.5	NCAA	
Prerequisite	None				

Students will focus on patterns and themes regarding Latinx history and experiences in the world today, specifically, the United States in this general education course. Students will develop critical thinking and research skills through the thematic analysis of major issues that impact members of the Latinx community in modern times.

Political Science 07840

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be exposed to America's political system with an emphasis on origins and development. Student learning will focus on the executive and legislative branches, the courts, law enforcement, pressure groups, and political behavior.

Psychology 1 07740

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will engage in a behavioral study of oneself in relationship to human group behavior. Specific units will include sociological methodology, cultures, institutions, values, marriage, family, sexuality, and social issues.



Psychology 2 07750

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07740				

Students will continue their study of the field of psychology. Student learning will expand to more in-depth units such as abnormal psychology, treatment, social psychology and more.

Social Science 07561/07562

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will be introduced to the multiple disciplines of social science sociology, economics, anthropology, psychology, geography, and political science. The coursework will stress critical thinking, note taking, vocabulary and other social study skills. The course fulfills the graduations requirement for civics.

Sociology 07700

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will study oneself as an individual and his relationships to his social environment. Student learning will emphasize methods, concepts, and the analysis of various social phenomena. Specific units of study include the concept of culture, social stratification, diversity, interpersonal relationships, marriage and the family, and death and dying.

Sociology 1 07710

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will study oneself in relationship to human group behavior. Student learning will emphasize methods, concepts, and the analysis of various social phenomena. Specific units of study will include the concept of culture, social stratification, diversity, interpersonal relationships, marriage and the family, and death and dying.

Sociology 2 07720

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07711/07712				

Students will to study oneself in relationship to human group behavior. Student learning will focus on the following specific units sociological methodology, cultures, institutions, values, marriage, family, sexuality and social issues.

Sociology of Service Learning – Fall 09330

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will apply sociological theory to the study of human behaviors in various community contexts including traditional and special education settings as well as in a variety of local social service agencies. Students will identify needs in the community, develop programs, and participate in existing programs that meet the needs of the school and the community.

Sociology of Service Learning-Spring 09340

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will apply sociological theory to the study of human behaviors in various community contexts including societal groups that lack equal access to wealth, power, and prestige in our community. Students will combine academic knowledge and experiential "hands on" learning with a focus on the elderly, minority groups, and the homeless.

Social Science

U.S. History 07641/07642

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will investigate the history of America from the age of discovery to the present. The material may be presented in either chronological or thematic units. Students will also engage in topics such as the federal and state constitutions, Declaration of Independence, and the flag code; which will prepare them for the Constitution test, which is a graduation requirement.

U.S. History 09381/09382

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will learn the history of America from the age of discovery to the present. Students take the federal and state constitutions, Declaration of Independence, and flag code test required for graduation. This course meets the U. S. History graduation requirement.



World History 07581/07582

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Placement/Division Head Approval				

Students will learn about the development of civilization from prehistoric times to the present day. Topics will include how governments evolved, religion, developments in science and technology; conflict; and the arts. Students will evaluate the contributions of the civilizations of Africa, Asia, Europe and the Americas; and how those contributions have influenced the current world order.

World History 09371/09372

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will learn about the development of civilization from prehistoric times to the present day. Students will evaluate the contributions of the civilizations of Africa, Asia, Europe and the Americas; and how those contributions have influenced the current world order.

World Religions 1 07810

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will develop reading and writing skills in an effort to expand analytical thinking skills as they will study the cultures and religions of the world. Students will examine both contemporary and ancient texts to connect cultural and historical themes that have existed throughout diverse civilizations. This course will encourage opportunities to compare and contrast Eastern cultures and religions.

World Religions 2 07820

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will develop reading and writing skills in an effort to expand analytical thinking skills as they will study the cultures and religions of the world. Students will examine both contemporary and ancient texts to connect cultural and historical themes that have existed throughout diverse civilizations. This course will encourage opportunities to compare and contrast Western cultures and religions.

World Studies: Social Science 07571/07572

Grade Level	10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Division Head Approval				

Students will take an interdisciplinary approach to English and World History to give students more opportunity to develop literacy and higher-level thinking skills. Students will use literature and writing to connect historical and cultural themes that have prevailed throughout history.



Course Descriptions

World Languages

World Languages



American Sign Language 1 & 2 (Harper College) **60271/60272**

Grade Level	12	Credit/Semester	0.75	NCAA	Yes
Prerequisite	None				

Students will be introduced to American Sign Language focusing on comprehension and production of basic language functions, grammatical structures and level-appropriate vocabulary first semester. Students will review vocabulary, language functions and grammatical structures second semester. This course will present and integrate additional information about deaf culture into language usage. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

AP Chinese Language and Culture **07301/07302**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07311/07312 and Division Head Approval				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP French Language **07101/07102**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07051/07052 or 07071/07072 and Division Head Approval				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP German **07201/07202**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07161/07162 or 07181/07182 and Division Head Approval				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP Italian Language and Culture **07261/07262**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07031/07032 or 07041/07042				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP Japanese Language and Culture **07291/07292**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07531/07532				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP Spanish Language **07431/07432**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07391/07392				

Students will master advanced language concepts in reading, writing, speaking, and listening. Students will have the opportunity for written and spoken self-expression. This course will prepare students to take the Advanced Placement Examination as well as college entrance examinations.

AP Spanish Literature **07371/07372**

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07381/07382 or 07401/04002 and Division Head Approval				

Students will engage in the study of Spanish and Latin American literary texts. Students will apply their knowledge of the Spanish language and Hispanic cultures. This course will prepare students to take the College Board Advanced Placement Exam as well as college entrance examinations.

College Intermediate Spanish-EIU **67381/67382**

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	Spanish 3				

Students will review grammar; practice in conversation and composition; reading of selected Spanish material. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

French 1 **07001/07002**

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to the target language and culture with a focus on listening, speaking, reading and writing. Students will develop topical vocabulary and knowledge of elementary grammar. Students will also gain insight into a variety of cultures through geography, class discussions and readings.

French 2 **07021/07022**

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07001/07002 or Equivalent				

Students will expand on the skills introduced in level 1. Students will engage in reading and writing activities, which reinforce the listening and speaking activities. In addition, students will develop the ability to read and write for educational and recreational purposes. Students will refine their cultural knowledge through films, songs, articles and supplementary readings.

German 1 **07121/07122**

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to the target language and culture with a focus on listening, speaking, reading and writing. Students will develop topical vocabulary and knowledge of elementary grammar. Students will also gain insight into a variety of cultures through geography, class discussions and readings.

German 2 07131/07132

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07121/07122 or Equivalent				

Students will expand on the skills introduced in level 1. Students will engage in reading and writing activities, which reinforce the listening and speaking activities. In addition, students will develop the ability to read and write for educational and recreational purposes. Students will refine their cultural knowledge through films, songs, articles and supplementary readings.

Honors French 3 07061/07062

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07021/07022				

Students will be exposed to more complex materials in grammar and the basic skills. Students broaden their skills in listening, comprehension, speaking, reading and writing. Listening activities are further developed with the use of video presentations and laboratory activities. In addition, students refine their cultural perception through exposure to French films, French contemporary songs, and French magazine articles.



Honors French 4 07081/07082

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07050/07052				

Students will attain a high degree of competency in reading, writing, listening, and speaking in the target language. Students will explore a variety of literary periods. Students will engage in vocabulary development, complex grammatical structures and cultural comparisons through readings and laboratory activities. Students will continue to develop composition skills and oral communication.

Honors German 3 07161/07162

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07131/07132				

Students will expand their knowledge of the language and reinforce the skills introduced in levels 1 and 2. Students will focus on developing composition skills, and speaking the language in non-structured situations, including language lab activities. Students will be introduced to literature, the arts, and history in the target language.

Honors German 4 07181/07182

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07151/07152				

Students will attain a high degree of competency in reading, writing, listening, and speaking in the target language. Students will explore a variety of literary periods. Students will engage in vocabulary development, complex grammatical structures and cultural comparisons through readings and laboratory activities. Students will continue to develop composition skills and oral communication.

Honors Italian 3 07031/07032

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07461/07462				

Students will expand their knowledge of the language and reinforce the skills introduced in levels 1 and 2. Students will focus on developing composition skills, and speaking the language in non-structured situations, including language lab activities. Students will be introduced to literature, the arts, and history in the target language.

Honors Italian 4 07041/07042

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07471/07472				

Students will attain a high degree of competency in reading, writing, listening, and speaking in the target language. Students will explore a variety of literary periods. Students will engage in vocabulary development, complex grammatical structures and cultural comparisons through readings and laboratory activities. Students will continue to develop composition skills and oral communication.

Honors Japanese 3 07591/07592

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07511/07512				

Students will expand their knowledge of the language and reinforce the skills introduced in levels 1 and 2. Students will focus on developing composition skills, and speaking the language in non-structured situations, including language lab activities. Students will be introduced to literature, the arts, and history in the target language.

Honors Japanese 4 07601/07602

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07521/07522				

Students will attain a high degree of competency in reading, writing, listening, and speaking in the target language. Students will explore a variety of literary periods. Students will engage in vocabulary development, complex grammatical structures and cultural comparisons through readings and laboratory activities. Students will continue to develop composition skills and oral communication.

Honors Mandarin Chinese 3 07241/07242

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07231/07232				

Students will expand their knowledge of the language and reinforce the skills introduced in levels 1 and 2. Students will focus on developing composition skills, and speaking the language in non-structured situations, including language lab activities. Students will be introduced to literature, the arts, and history in the target language.

Honors Mandarin Chinese 4 07311/07312

Grade Level	11-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07241/07242 and Teacher Recommendation				

Students will attain a high degree of competency in reading, writing, listening, and speaking in the target language. Students will explore a variety of literary periods. Students will engage in vocabulary development, complex grammatical structures and cultural comparisons through readings and laboratory activities. Students will continue to develop composition skills and oral communication.

Honors Spanish 3 07391/07392

Grade Level	10-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07351/07352 or 07361/07362				

Students will expand their knowledge of the language and reinforce the skills introduced in levels 1 and 2. Students will focus on developing composition skills, and speaking the language in non-structured situations, including language lab activities. Students will be introduced to literature, the arts, and history in the target language.

Italian 1 07451/07452

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to the target language and culture with a focus on listening, speaking, reading and writing. Students will develop topical vocabulary and knowledge of elementary grammar. Students will also gain insight into a variety of cultures through geography, class discussions and readings.

Italian 2 07461/07462

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07451/07451				

Students will expand on the skills introduced in level 1. Students will engage in reading and writing activities, which reinforce the listening and speaking activities. In addition, students will develop the ability to read and write for educational and recreational purposes. Students will refine their cultural knowledge through films, songs, articles and supplementary readings.

Japanese 1 07501/07502

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to the target language and culture with a focus on listening, speaking, reading and writing. Students will develop topical vocabulary and knowledge of elementary grammar. Students will also gain insight into a variety of cultures through geography, class discussions and readings.

World Languages

Japanese 2 07511/07512

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07501/07502				

Students will expand on the skills introduced in level 1. Students will engage in reading and writing activities, which reinforce the listening and speaking activities. In addition, students will develop the ability to read and write for educational and recreational purposes. Students will refine their cultural knowledge through films, songs, articles and supplementary readings.

Spanish 1 07331/07332

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will be introduced to the target language and culture with a focus on listening, speaking, reading and writing. Students will develop topical vocabulary and knowledge of elementary grammar. Students will also gain insight into a variety of cultures through geography, class discussions and readings.

Spanish 2 07341/07342

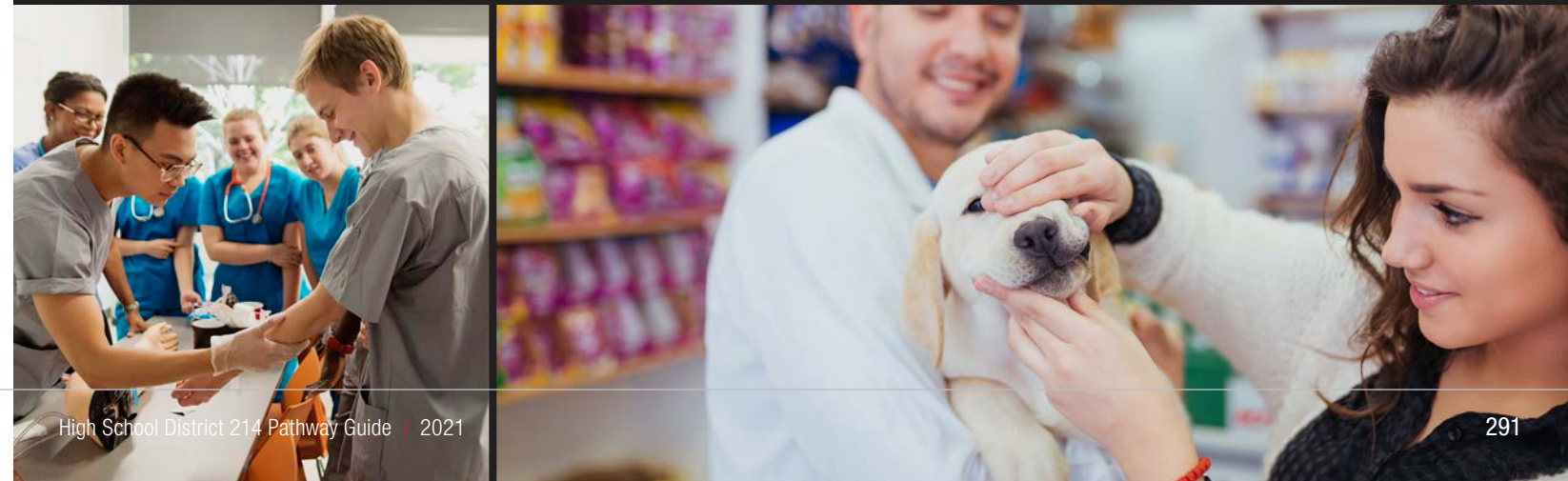
Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	07331/07332 or Equivalent				

Students will expand on the skills introduced in level 1. Students will engage in reading and writing activities, which reinforce the listening and speaking activities. In addition, students will develop the ability to read and write for educational and recreational purposes. Students will refine their cultural knowledge through films, songs, articles and supplementary readings.

Spanish for Heritage Learners 2 07361/07362

Grade Level	9-12	Credit/Semester	0.5	NCAA	Yes
Prerequisite	Teacher Recommendation				

Students will be introduced to the formal study of Spanish and Latin American literary texts, from medieval times through the present. The course content reflects the equivalent of a third-year college course. Students will learn the biographical, historical, and cultural information related to each particular reading in order to fully conceptualize the work. Text analysis, thematic analysis, poetry analysis, literary terminology, and essay development will also be covered in great depth. Students will also further their knowledge of the Spanish language and Hispanic cultures and increase oral proficiency. This course will prepare students to take the College Board Advanced Placement Exam as well as college entrance examinations.



Career and Technical Education

Agriculture, Food, and Natural Resources

AgriBusiness 08370

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of Agricultural Biology			

Students will explore business management in ag and develop and improve business and employability skills to prepare for careers in agribusiness and business. Students will investigate and develop viable business plans to solve local problems. Students will present business plans to student peers and members of the local professional community, building potential community partnerships.

College Sustainable Urban Agriculture 68390

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn principles of sustainable agriculture for urban production. Includes the ethical, practical and scientific aspects of agricultural sustainability addressing economic, social and environmental impacts of food and urban farming. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Food Science 08350

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of a Biology			

Students will develop basic scientific knowledge and skills pertaining to management of plant and animal production. Topics in plant production include major phases of plant growth and production decisions. Topics in animal production include major phases of animal agriculture and production decisions.

Introduction to Agriculture Pathway 08360

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of Biology			

Students will explore the agricultural industry, specifically in areas of food, fiber, and natural resources, and discover the economic, social, and environmental implications of sustainable practices. Student will cover basic concepts in the animal, food, plant, and environmental sciences in preparation for advanced agricultural coursework and explore career opportunities in agriculture.

Veterinary Science 04370

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of a Biology			

Students will be introduced to the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, pathology, laboratory techniques, nutrition, disease, office management, and animal management. Various careers will be explored.



Veterinary Science II 08380

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of Agriculture Biology and Veterinary Science I			

Students will explore scientific concepts relating to the anatomy, physiology, genetics, reproduction, parasitology, pathology, nutrition, and disease of companion animals and livestock. Students will explore veterinary and medical careers through hands-on labs. Students will explore the role animals play in daily life, as well as animal ethics and welfare issues.

Arts, Audiovisual Technology and Communication

College Advanced Graphic Arts 66301/66302

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	06260 or 06440			

Students will prepare for post-secondary experiences in the graphic arts industry. This capstone course can lead directly to a number of post-secondary institutions that award certificate, associate and baccalaureate degrees, and establishes skills that transition directly into the workspace. This class's production-oriented atmosphere challenges students to build on previous course work and become self-directed learners who create professional, high profile printing projects. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Production 1 69150

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	09540 or Division Head Approval			

Students will learn the foundational elements of visual storytelling through video, television, and film. These foundational elements include narrative construction, visual composition, genre aesthetics, visual development, characterization, and non-linear editing in order to communicate a unified message through video, audio, ad graphics. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Digital Media Production 09531/09532

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will focus on the mass communications career pathway. Beginning instruction is offered in the areas of studio camera operation, audio engineering, lighting theory, writing for a script, directing, and nonlinear editing with an emphasis on underlying principles of various digital media technology.

Graphic Arts Design 06440

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn graphic arts software, which includes Adobe Photoshop, Illustrator, and In Design desktop publishing. They will also have an opportunity to plan, design, and produce silk screening products. This course is team taught by the art and graphic arts departments and meets the fine arts requirement when taken in conjunction with Graphic Design 1 (01260).

Graphic Arts Technology 1 06250

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will receive an overview of the graphic arts industry and will give them an opportunity to become involved with hands-on experiences in lithography and screen-printing. Each student will have opportunities to gain an insight into the graphic arts industry in order to investigate a possible career.



Graphic Arts Technology 2 06260

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	06250			

Students will further their investigation into a career in graphic arts. The students will concentrate on lithography and screen printing in addition to desktop publishing, layout and design, and screen print-ing. Students will have ample time to develop and explore job skills.

Graphic Arts Technology 3 06270

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	06260			

Students will further their investigation into a career in graphic arts. The students will concentrate on screen printing, desktop publishing, layout and design. Students will have ample time to develop and explore job skills.

Graphic Arts Technology 4 06280

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	06270			

Students will be given insight into the graphic arts industry. Students enrolled in this course will develop basic job entry skills in desktop publishing and screen-printing, and will be able to make decisions about pursuing a career in graphic arts.

Media Technology 1 06950

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be introduced to the methods, software, and equipment used in television and radio broadcasting. Students will learn the basics of camera operation, lighting and audio techniques, and editing methods used in the production of video. Students will also learn to create multimedia presentations that can be used in other academic and vocational environments.

Media Technology 2 06960

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will demonstrate the fundamental principles of video production applying the concepts and skills learned in the introductory course, Media Technology 1. Students will have the opportunity to use equipment and software independently to create video.

Media Technology 3 06970

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will experience hands-on television broadcast setting. Students will also focus on the enhancement of storyboards and how ethical issues affect the media industry. Concepts taught in Media Technology 1 and 2 will be developed to produce high quality video productions.

Media Technology 4 06980

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will focus on the design, writing, and production of a variety of program formats to be used exclusively for community broadcast. Students will build upon their experiences from Media Technology 1, 2, and 3 to produce extended segments from concept through postproduction and distribution.

Production & Editing 1 09540

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will develop basic skills in field production and editing, with an emphasis on nonfiction. Each student will learn and practice the fundamentals of field production in terms of conceptual development, research and planning and finally editing and project management.



Production & Editing II 09550

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	09540 and Division Head Approval			

Students will gain intermediate technical and aesthetic skills in field shooting and editing. Through a series of shooting and editing exercises, students will further develop skills introduced in Production & Editing I. These concepts will be implemented through a series of exercises culminating in the creation of an original student final video project.

Finance and Business Services/Finance/Marketing

College Accounting 65551/65552

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn accounting as an information system that produces summary financial statements primarily for users external to a business. Emphasizes the reporting of the effect of transactions and other economic events on the financial statements, accrual v. cash basis, the accounting cycle, monetary assets, inventories, fixed assets, current and long-term liabilities, and owner's equity. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Business 65641/65642

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn marketing as a focus on methods involved in business systems. Topics include marketing mix, research, & segmentation, consumer behavior, product planning, branding and packaging, retail and wholesale operations, advertising plans, marketing planning sales promotion techniques, break-even analysis, global marketing, careers in marketing, economic systems, and business ethics. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Entrepreneurship 1 65681/65682

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will have an authentic entrepreneurship experience, allowing them to create and fully develop their own product or service. Real entrepreneurs and business experts serve as volunteer coaches and mentors guiding student teams through the "Lean Startup" processes. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Career and Technical Education

College Financial Accounting 65550

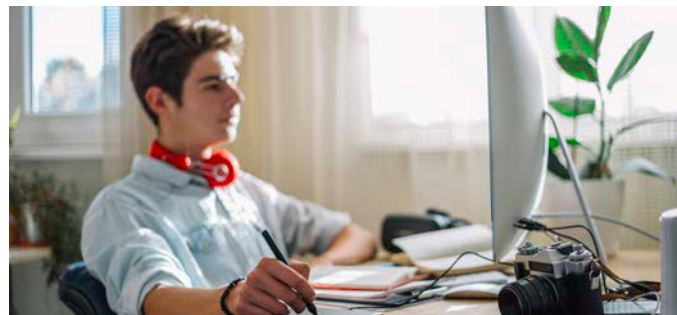
Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn accounting as an information system that produces summary financial statements primarily for users external to a business. Emphasizes the reporting of the effect of transactions and other economic events on the financial statements, accrual v. cash basis, the accounting cycle, monetary assets, inventories, fixed assets, current and long-term liabilities, and owner's equity. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Managerial Accounting 65560

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	65550			

Students will be provided an overview of the principles, techniques, and uses of accounting in the planning and control of business organizations from a management perspective. Coverage includes types of costs, types of budgets and their uses, cost-volume-profit relationship, product costing methods, forecasting, and managerial decision making processes. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



Entrepreneurship 2 05751/05752

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	05682 or Consent of Instructor			

Students will build on what they learned in Entrepreneurship 1 with continued emphasis on developing and running a small business.

Introduction to Business 05601/05602

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will understand how economics relates to everyday living in the business world for the work-er, consumer, and citizen. Students will learn about banking, insurance, credit, practical money management, consumer protection, communications, and career planning.

Personal Finance 06210

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will gain a foundational understanding for making informed personal financial decisions. Projects for this class involve interactive computer assignments that simulate real-life decision-making skills. This course satisfies the Illinois State Consumer Education graduation requirement.

Small Business Management 05740

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will manage a small business. The course focuses on problems involved in starting and operating a successful small business, selecting the location, determining how to borrow money, budgeting and credit, management, accounting and marketing.

Sports and Entertainment Marketing 05720

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study careers in marketing, opportunity analysis, promotion, pricing, product development, distribution, case studies, and marketing plan development. Also, students will have the opportunity to hear numerous speakers in the professional sports, entertainment, and technology industries and take field trips to observe different careers available in marketing.

College Fire Behavior and Combustion 60140

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	60130			

Students will explore the theories and principles of how and why fires start, spread, and are brought under control. Students will be able to relate the principles by which fires spread with the appropriate methods of control. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



Career and Technical Education

Hospitality and Tourism

Advanced Culinary Arts 57900

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	57800			

Students will continue the principles and techniques taught in Foods 1 using and expanding the students' knowledge as they study advanced techniques and applications. Students are introduced to a wide variety of culinary styles as well as career opportunities related to the profession. Units of study include working with meats, poultry, and pasta.

College Culinary Arts/ProStart 1 65711/65712

Grade Level	11-12(10*)	Credit/Semester	0.5	NCAA
Prerequisite	05780 (*Instructor Consent)			

Students will attain the knowledge and develop skills within the foodservice industry. Students will follow the ProStart curriculum certified by the National Restaurant Association (NRA) and Illinois Restaurant Association (IRA). To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Culinary Arts/ProStart 2 65801/65802

Grade Level	11-12 (10*)	Credit/Semester	0.5	NCAA
Prerequisite	65711/65712 (*Instructor Consent)			

Students will study career opportunities within the areas of foods and nutrition, and elements of technology are integrated. All students are involved in the research and development of original food products and presentations. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College ProStart Internship 60801/60802

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Previous or Concurrent Enrollment in 65711			

Students will learn from opportunities in the ProStart program to apply and expand their culinary arts skills and knowledge in the workplace environment. Students must complete a minimum of 400 hours at the work site. Upon successful completion of this dual credit course, the student may receive college/university credit. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



Introduction to Culinary Arts 57800

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be introduced to food preparation and nutrition that includes classroom and laboratory experiences. Class work emphasizes time management and safety as students gain basic knowledge and skills in food preparation. Units of instruction include breakfast foods, lunches, convenience cooking, and desserts.



Career Development

Career Development Academy 02891/02892

Grade Level	12	Credit/Semester	1.5	NCAA
Prerequisite	None			

Students will participate in workplace experiences in various fields of skilled labor such as health care, manufacturing, hospitality, and/or information technology. Students will experience a combination of on-the-job training & related classroom instruction under the supervision of professionals learning the practical and theoretical aspects of a highly skilled occupation.

Career Education Internship 1 06611/06612

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Concurrent Enrollment in 06601/06602			

Students will receive on-the-job training at a qualified community resource in an occupation of his/her choice. The local firm or training station hires the student as a part-time employee and provides the practical training necessary to make the student proficient in that occupation. The coordinator will make periodic visits to the employment site to monitor the student's progress.

Career Exploration 06500

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will gain an understanding of themselves and their relationship to the world of work. Students will participate in career development simulations designed to provide a base of experience for making personal and career related decisions. Students will learn how to locate, organize, evaluate, and use career related data and thus be better prepared for real world expectations.

Career Skills Training 03371/03372

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in career development simulations designed to provide a base of experience for making personal and career related decisions. Students will learn how to locate, organize, evaluate, and use career related data and thus be better prepared for real world experiences.

Cooperative Work Training 1 06511/06512

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Must be 16 years old, Consent of Coordinator, and Concurrent Enrollment in 06521/06522			

Students will learn about employment search techniques, interview skills, career exploration, and the development of a post-secondary plan. Throughout the course instruction will emphasize problem solving, decision-making, communication, and management issues that thread their way through the work place. Completion of this course will satisfy the consumer education requirement. As a result, this course will also concentrate on banking, insurance, credit, housing, taxes, automobile purchasing, investments, and financial planning. Students also enrolled in Cooperative Work Training Internship 1 (06521/06522) will earn an additional work credit.

Cooperative Work Training Internship 1 06521/06522

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Concurrent Enrollment in 06511/06512			

Students will learn about practical work training that takes place in our community businesses. Students will experience on-the-job training at various entry levels and semi-skilled occupations. Students will work a minimum of 12 hours per week at businesses approved by the teacher coordinator. The coordinator will make periodic visits to employment sites to monitor each student's progress.

Career and Technical Education

Employee Development 03381/03382

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in a supported community-based workplace-learning environment designed to support a student's development of appropriate requisite work habits and behavior, career readiness and soft-skills. Students are required to demonstrate appropriate work-related skills in order to increase maturity, self-awareness and enhance work ethic and pride in performance. A Job Coach provides students with training, daily monitoring and ongoing support. This course may be repeated.

Interrelated Career Education 1 06601/06602

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Concurrent Enrollment in 06611/06612, Consent of Instructor and must be 16 years old			

Students will prepare for a systematic, orderly transition into gainful employment upon the fulfillment of his/her formal education. Students complete assignments and activities that are coordinated with on-the-job experiences. This program helps students make the transition from school to the world of work. Completion of this course satisfies the consumer education requirement.

Work Experience 03400

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	Must be 16 years old			

Students will use workplace learning supports linked to concurrent independent employment. This experience is designed to support student career and post-secondary decision-making. In addition to providing evidence of completion of a minimum of 30 hours of employment, student must also complete coordinated assignments. Students who successfully complete all requirements of this course will receive a grade of P.

Work Orientation 1 09731/09732

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will develop work habits and career ready skills for real life applications. The goal of the course is for students to acquire the necessary skills for independent job placement. Students will eventually be placed at an independent work site without adult assistance.

Work Orientation 2 09741/09742

Grade Level	10	Credit/Semester	0.5	NCAA
Prerequisite	09731/09732			

Students will develop work habits and career ready skills for real life applications. The goal of the course is to develop independence for students to acquire the necessary skills for a future independent job placement. This course is the second year for students requiring continued support in their growth of their work skills.

In School Work 09761/09762

Grade Level	11	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in the building based micro-business and develop skills as part of the micro-business. This participation will eventually lead them to a job placement in a supported work environment in the community.

Information Technology

Advanced Concepts in Coding and Development 10301/10302

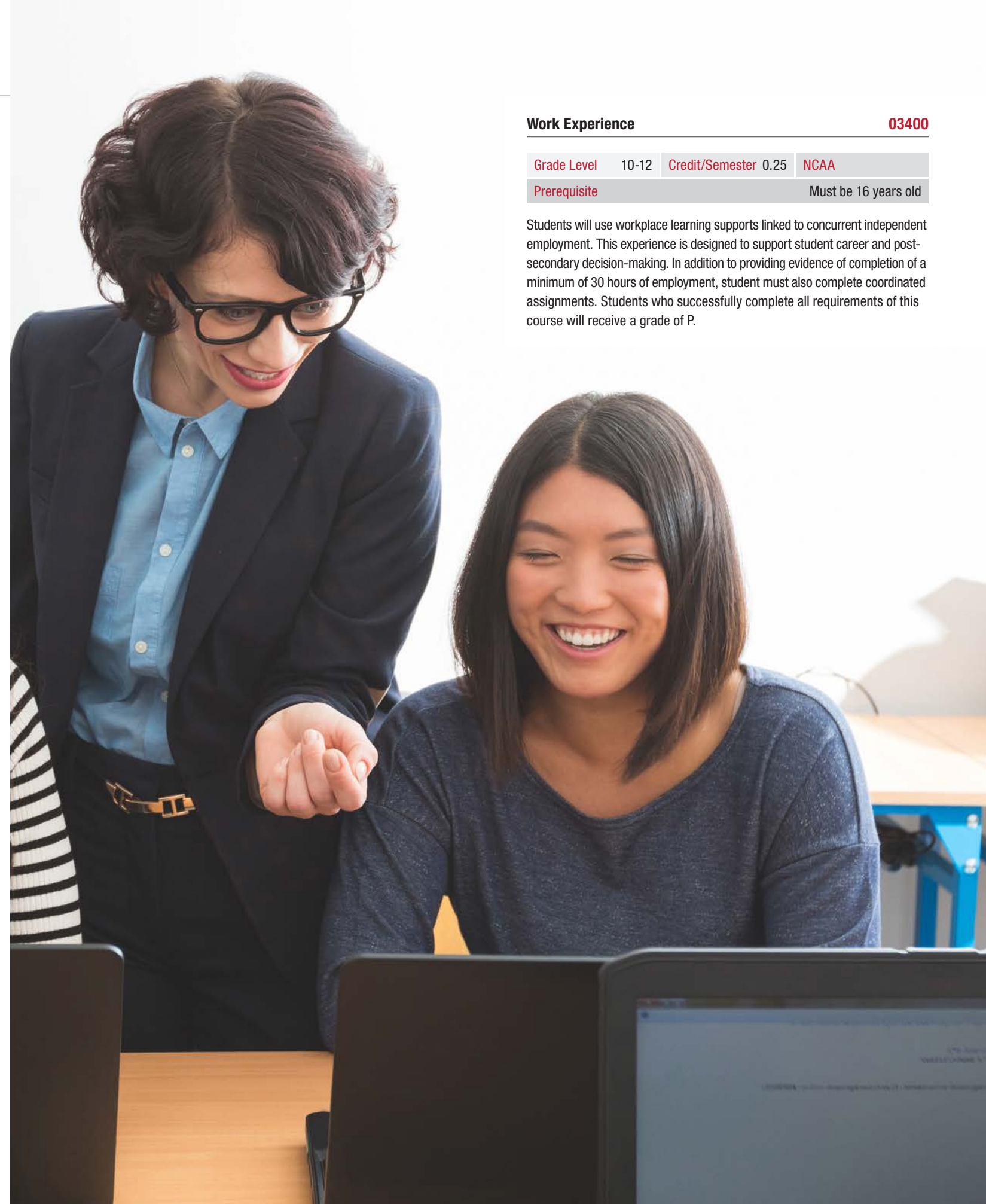
Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	09092			

Students will work to develop a solution/solutions to a real-world problem(s) or need(s), which demonstrate their computer programming abilities. Students will keep journals, are responsible for delivering progress reports, and will make a final presentation as to their work and products.

Advanced Network Systems and Cybersecurity 10401/10402

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	66760			

Students will be provided with a comprehensive hands-on overview of network security, including authentication, encryption, digital certificates, perimeter topologies, remote access, cryptography, and operational security. Students will participate to solve industry real world problems and challenges related to networks and cybersecurity.



Work Experience 03400

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	Must be 16 years old			

Students will use workplace learning supports linked to concurrent independent employment. This experience is designed to support student career and post-secondary decision-making. In addition to providing evidence of completion of a minimum of 30 hours of employment, student must also complete coordinated assignments. Students who successfully complete all requirements of this course will receive a grade of P.

Career and Technical Education

AP Computer Science Principles/Mobile APP Development 10601/10602

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	09050			

Students will continue their development of applications for mobile devices and will expand their use of advanced features and coding principles this collaborative lab based, hands-on course. Upon completion of this course students will be able to take the Advanced Placement exam in Computer Science Principles.

AP Computer Science-A 09091/09092

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will design and implement computer programs using current computer language. Topics will include searching and sorting techniques, numerical methods, and recursion. Upon completion of this course students will be able to take the advanced placement Computer Science A exam.

College A+ Hardware 66740

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	60740			

Students will be provided with experience installing, configuring, maintaining, upgrading, diagnosing, troubleshooting, and networking recent and current personal computer hardware. Students successfully completing this course will have the opportunity to sit for the first of two exams required for Comp TIA A+ certification. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College A+ Operating Systems Technology 66800

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	66740			

Students will experience installing, configuring, upgrading, diagnosing, troubleshooting, and networking recent and current personal computer operating systems. Students successfully completing this course will have the opportunity to sit for the Comp TIA's A+ certification exam. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Advanced Network Systems and Cybersecurity 60401/60402

Grade Level	12	Credit/Semester	0.50	NCAA
Prerequisite	66760			

Students will be provided with a comprehensive hands-on overview of network security, including authentication, encryption, digital certificates, perimeter topologies, remote access, cryptography, and operational security. Students will participate to solve industry real world problems and challenges related to networks and cybersecurity.

College Computer Networking 66810

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	66800			

Students will have hands-on experience with networking standards, architecture, operations, security and troubleshooting using current network operating systems. Students successfully completing this course will have the opportunity to take the Comp TIA's Network+ exam. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



College Cybersecurity and Mobility 66241/66242

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	09091/09092			

Students will be exposed to aspects of information security and provides tangible examples of the importance and value of securing data, both for themselves and the organization. Students will be introduced to legislation, local, state and federal privacy policies and liability of individuals and institutions related to data confidentiality and integrity. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College IT Fundamentals 60740

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be provided with a hands-on introduction to operating systems and related concepts. Students successfully completing this course will have the opportunity to sit for COMP TIA's IT Fundamentals exam. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Computer Programming, Mobile App, and Networking 09040/09050

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will focus on the development of applications for mobile devices and an introduction to computer networking basics. Students will work in teams, using real-world tools and processes to develop and redesign existing mobile apps in addition to building new apps of their own. Students do not need any prior computer programming experience to successfully complete this course.

Cybersecurity and Mobility 06241/06242

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	09091/09092			

Students will be exposed to aspects of information security and provide tangible examples of the importance and value of securing data, both for themselves and the organization in this non-dual credit course. Students will be introduced to legislation, local, state and federal privacy policies and liability of individuals and institutions related to data confidentiality and integrity.



Health Sciences

College Nursing Assistant Training 68171/68172

Grade Level	11-12	Credit/Semester	0.75	NCAA
Prerequisite	See Dual Credit Section			

Students will learn the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms and plurals. Offers pronunciation, spelling, and definition of medical terms based on the body systems approach. Emphasis on rendering a professional vocabulary required for work in the health care field. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Introduction to Healthcare 2 08190

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	08181/08182			

Students will build on the knowledge learned in previous courses, as students will begin to explore more advanced healthcare concepts and issues. The course provides a broad range of information on career opportunities in the health field and available educational programs in Illinois. Students will survey medical terminology based upon the body systems approach.

Introduction to Healthcare Field 1 08181/08182

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will be offered a broad range of information on career opportunities in the health field and available educational programs in Illinois. Students will survey medical terminology based upon the body systems approach and begin to uncover professional vocabulary as required in the health occupations.



Medical Science Academy 09861/09862

Grade Level	11-12	Credit/Semester	1.0	NCAA
Prerequisite	Program Admission			

Students will explore careers in the medical field. Students alternate days of on-site experiential learning with college-level coursework in the classroom. Using a 150-minute block of time daily, this course blends topics existing in other areas of the curriculum with material to be developed specifically for this field of study. Students will play an active role in the learning process.

Medical Terminology 08211/08212

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn the origin and the basic structure of medical words including prefixes, suffixes, word roots, combining forms and plurals. Offers pronunciation, spelling, and definition of medical terms based on the body systems approach. Emphasis on rendering a professional vocabulary required for work on the healthcare field.

Education and Training

College Applied Educational Psychology 78350

Grade Level	12	Grade/Semester	0.5	NCAA
Prerequisite	None			

Students will explore the contexts and the individual dimensions of human development and learning. Special attention is paid to the features of human developmental contexts most associated with positive outcomes for learners, and how these mediate the learning process. The course also examines different domains of development, including those most associated with successful school learning. Candidates examine various assessment methods and how they are used to promote and document classroom and individual learning processes. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Education in a Diverse Society 69970

Grade Level:12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval		

Students will examine how schooling is shaped by and ought to respond to the social contexts in which it occurs, particularly multicultural, multilingual, and global contexts. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Inquiry into Teaching 69620

Grade Level	11 - 12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will be introduced to the expectations of the modern-day secondary education teacher, including the role of the teacher, moral, ethical, and legal expectations of teaching, and the social and political context of schools and communities. Twenty clock hours of participation/ observation are required. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



College Introduction to Early Childhood Education 60500

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	05920			

Students will receive an overview of early childhood care and education, including the basic values, structure, organization and programming. Students will examine their personal qualities in relationship to the expectations of this field. This course includes directed observation in a variety of programs and settings. Fifteen (15) hours of observation is required. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Education 60700

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will gain a greater perspective on education including historical, philosophical, social, legal, ethical issues in a diverse society. Students enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Foundation of Learning and Development 09610

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will explore topics focusing on the techniques and skills necessary to promote healthy physical, social, emotional, and the intellectual development of children. This course incorporates concepts from child psychology, educational research, biology, sociology, and philosophy and serves as a foundation for the Education Career Pathway.

Husky Inn 05841/05842

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn the basic concepts of foods, clothing, and home and family living. Study emphasizes the development of basic and interpersonal skills needed to function as a productive individual. Students learn through lab settings and will require individual and group participation.

Introduction to Preschool 06700

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in an introductory course designed for students who are interested in working with preschool children. Students observe, plan, and teach children in our preschool facility while providing a healthy and stimulating environment for them. They acquire the experience and skills needed to work with children. This is an excellent opportunity for students who may be considering teaching as a profession.

Introduction to Teaching Methods 09620

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will concentrate on the practical application of knowledge gained during Foundations for Learning and Development in this laboratory class. The student will learn hands-on fundamentals of lesson planning and instruction applicable to all levels of teaching. Students will plan activities, teach, supervise, and observe children in a preschool setting.

Practicum in Early Childhood Education 3 05820

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	05910 and 05950			

Students will have work experiences with pre-school aged children. Emphasis will be placed on the creation of a career portfolio based on the students' goals and interests working in the area of early childhood education.

Practicum in Early Childhood Education 4 05830

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	05920,05950 and 05820			

Students will have work experiences with pre-school aged children. Emphasis will be placed on the creation of a career portfolio based on the students' goals and interests working in the area of early childhood education. This course may be repeated.

Human Services

Cosmetology 06781/06782

Grade Level	12	Credit/Semester	1.0	NCAA
Prerequisite	Application and Interview			

Students will participate in a 1-year program that satisfies 750 hours of the 1500-hour State of Illinois Cosmetology license requirements. Courses take place at Technology Center of Du Page and Technology Campus of Lake County. Program may include required attendance during evenings and non-attendance days including Saturdays, and summer and holiday breaks.



Sociology of Marriage and Family 05940

Grade Level	9-12 (10*)	Credit/Semester	0.5	NCAA
Prerequisite	None (*Instructor Consent)			

Students will learn the psychological theory to the study of human behaviors in various sociological contexts including traditional family life, single parent family environments, and cross-cultural comparisons. Units of study include personality development, human sexuality, mate selection, parenting, death and dying, and consumer economics.

Law, Public Safety, Corrections and Security

College Fire Behavior and Combustion 60140

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	60130			

Students will explore the theories and principles of how and why fires start, spread, and are brought under control. Students will be able to relate the principles by which fires spread with the appropriate methods of control. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction Fire Science 60130

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be provided an overview of fire protection; career opportunities in fire protection and related fields; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; and other basic topics. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Corrections 60120

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be provided with an integrated knowledge about the system through which the criminal offender is processed. Emphasis will be placed upon the philosophical bases of punishment and treatment techniques in institutional and community-based programs plus parole programs. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Introduction to Criminal Justice 60100

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study the history, role, development and constitutional aspects of law enforcement and public safety. The course includes a review of agencies and functions involved in processes of administration of criminal justice. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Micro Internship/ Internship/ Apprenticeship

Agriculture/Foods/Natural Science Micro Internship 49530

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Agriculture/ Foods/ Natural Sciences. Students will go through a selective application and interview process to participate in this micro internship program.

Arts and Communication Micro Internship 49540

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Arts and Communications. Students will go through a selective application and interview process to participate in this micro internship program.

District Micro-Internship 09500

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	Must be 16 years old			

Students will work a community-based workplace learning experience that is designed to support a student's career interests and post-secondary decision-making. Students must be able to work independently in the community for a minimum of 30 hours during a semester, with periodic support and feedback provided by staff.

Finance and Business Services Micro Internship 49550

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Finance and Business Services. Students will go through a selective application and interview process to participate in this micro internship program.

Health and Science Technology Micro Internship 49560

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Health and Science Technology. Students will go through a selective application and interview process to participate in this micro internship program.

Human and Public Service Micro Internship 49570

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Human and Public Services. Students will go through a selective application and interview process to participate in this micro internship program.

Information Technology Micro Internship 49580

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Information Technology. Students will go through a selective application and interview process to participate in this micro internship program.

Manufacturing and Engineering Technology Micro Internship 49590

Grade Level	11/12 (10 if at least 16 years old)	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will receive a grade upon completion of the coursework and experience in this District 214 Internship Program. Students will interact with local professionals in order to gain knowledge in Manufacturing and Engineering Technology. Students will go through a selective application and interview process to participate in this micro internship program.

Internship Program 09870

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be placed in Internships. Internships allow students to be placed at various sites in either the first or second semester or during the six weeks of summer school in the community for a minimum of 60 hours, with periodic support and feedback provided by staff. All internships are unpaid. Consider your schedule and after school activities prior to applying for admission to this program.

District Youth Apprenticeship 09441/09442

Grade Level	12	Credit/Semester	2.0	NCAA
Prerequisite	Program Admission			

Students will be involved in a district-approved youth apprenticeship consisting of a combination of on-the-job training and related instruction in which workers learn the practical and theoretical aspects of a highly skilled occupation. Youth apprenticeships will involve students being placed at an employer site for work and training.

Career and Technical Education

Architecture and Construction

Advanced Computer Aided Design for Architecture, Engineering and Construction **16450**

Grade Level	9-10	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will build upon practices and techniques used in computer-aided design emphasizing ad-vanced dimensioning techniques, the development and use of prototype drawings, construction of pictorial drawings, interfacing 2d and/or 3d environments, and extracting data. Students will have an opportunity to complete the Autodesk Certified User Revit® certification.

College Practical Architectural Construction-PAC Year 1 **66191/66192**

Grade Level	10-12	Credit/Semester	1.0	NCAA
Prerequisite	Consent of PAC Instructor			

Students will be provided actual on-site work experience. Students have the opportunity to work with the tools of carpentry and related trades while building a single-family residence on a chosen job site in the district. This course may be repeated. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Computer Aided Design for Architecture, Engineering and Construction **16410**

Grade Level	9-10	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop an understanding of the principles of drafting, use of simple and complex graph-ic tools, layout and design, application of the latest drawing software programs. Students will be intro-duced to building standards and codes used in construction while exploring career opportunities in the field.

Design 214 Practical Architecture **06121/06122**

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn how residential buildings are planned and constructed. The student will also learn how to produce the necessary drawings used by contractors to either build or remodel a home. The student will have the opportunity to design and draw his or her own house plans including floor plans, elevations, kitchen layouts, site plans, and perspectives. Coursework will introduce computer-aided drafting and how it relates to the field of architecture. This course is recommended for those students who are interested in architecture, interior design, the building trades, or other architectural related fields.

Geometry in Construction **04420**

Grade Level	9-10	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn pre-engineering, architecture, construction management, interior design, land-scape architecture Construction trades, and surveying in this general level course. Students will learn machine and tool use and safety problem solving, and drawing interpretation.

Honors Geometry in Construction **14420**

Grade Level	10-11	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn pre-engineering, architecture, construction management, interior design, land-scape architecture, construction trades, and surveying in this honors course. Students will learn ma-chine and tool use and safety, problem solving, and drawing interpretation.

Introduction to Practical Arts Construction **16190**

Grade Level	11-12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn carpentry, electrical, mechanical systems (HVAC), plumbing, architecture computers aided designs and more.



Fashion Design **05850**

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn about the fashion industry, including design, construction, production and market-ing of women's, men's, and children's fashions from development of fibers and fabrics to the strategies of fashion merchandisers and retailers.



Math and Technology 06401/06402

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn mathematics concepts in a problem-solving environment. During the course, students will apply theories of measurement, ratios, geometrical structures, algebraic equations, and graphical methods to develop an understanding of topics related to building construction.

Manufacturing

Advanced Welding 10030

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	Completion of Beginning Welding			

Students will apply the principles they learned in Beginning Welding and demonstrate the knowledge and skills necessary in order to be successful in an entry level welding environment. Students will spend the class working towards earning AWS Sense (<https://www.senseonline.org/>) student certifications. Geared toward the Advanced Level Welder. Students can earn up to 10 certificates of completion; one for each process. The topics covered include:

- Trade Math
- Welding Metallurgy
- Welding Inspection & Testing Methods
- Documents Governing Welding & Welding Inspection
- Thermal Cutting Processes
- Plate Welding Processes: SMAW, GMAW, FCAW, & GTAW
- Pipe Welding Processes: SMAW, GMAW, FCAW, & GTAW
- Welding Fabrication

Beginning Welding 10020

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will apply the principles they learned in previous pathway courses and demonstrate the knowledge and skills necessary in order to be successful in an entry-level welding environment. Students will spend the class working towards earning AWS Sense (<http://www.senseonline.org/>) student certifications. Geared toward the entry level welder. Students can earn up to 4 certificates of completion; one for each process they complete. The topics covered include:

- Safety & Health of Workers
- Drawing & Welding Symbol Interpretation
- Thermal Cutting Processes: OFC, PAC, CAC-A & Mechanized OFC
- Welding Processes: SMAW, GMAW, FCAW & GTAW.



College Advanced CNC Manufacturing 69641/69642

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	69631/69632			

Students will study production machining, feed and speed application, and quality control techniques and will become fluent in operating Computer Numerical Control equipment. Students enrolled in this course may work towards level one and two certification with the National Institute for Metalworking Skills Inc. (NIMS). To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Advanced Machine Technology 69631/69632

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will become familiar with the hand tools, manual & Computer Numerical Control equipment. Students will study blueprint interpretation, precision measurement, tooling, machine setup, and work holding. Students may work towards level one certification with the National Institute for Metalworking Skills Inc. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Fashion Industry Career Practicum and Seminar 60260

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Student will receive an overview of career and employment possibilities in the fashion businesses and industries and places emphasis on individual career path selections through interest testing and career counseling. Students will attend class each week in addition to participating 10 hours per week in an internship. A student must have a fashion related job before the first day of class. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Fashion Merchandising 65860

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn about of fashion merchandising industry, which includes business aspects, aesthetic and creative sides of fashion, and the presentation of products and materials. Students will study fashion history and trends as well as their influence on our lives. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



College Introductory Electronics 60060

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be introduced to fundamentals of electricity and magnetism. The course covers basic electrical laws and principles. The course also covers electrical safety considerations, laboratory instrumentation and test and measurement techniques. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Manufacturing Internship 66820

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Previous or Concurrent Enrollment in 69631			

Students will apply and expand their manufacturing skills and knowledge in the workplace environment. Students will have an on-site supervisor who will assign duties in the workplace. The student will be required to complete a minimum of 100 hours at the work site to receive credit. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Fabrication Technology 1 02850

Grade Level	9-10	Credit/Semester	0.5	NCAA	Yes
Prerequisite	None				

Students will apply fundamental 3D Modeling and design skills to produce a several projects. Students will use a variety of machines and materials throughout the year, ensuring students understanding design and production processes. This course should be considered as the first course in the Architectural & Construction or Manufacturing Pathways.

Fabrication Technology 2 02860

Grade Level	9-10	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will experience several projects with set constraints, focusing on various design principles such as form and function, aesthetics and more. Students will use a variety of wood working tools, CNC operated machines and 3D modeling software to design and produce projects. This course will follow the introductory Fabrication Technology I course.

Fashion Construction 05870

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will have an opportunity to demonstrate their working knowledge of handling fabrics, utilizing correct grain lines, stitches, seams, zippers, and buttons while constructing a variety of garments in our lab.

Fashion Design 05850

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will learn about the fashion industry, including design, construction, production and marketing of women's, men's, and children's fashions from development of fibers and fabrics to the strategies of fashion merchandisers and retailers.

Science, Engineering and Mathematics

PLTW- Aerospace Engineering 66941/66942

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	06882				

Students will explore the physics of flight and bring the concepts to life by designing and airfoil, propulsion system, and rockets. Students learn basic orbital mechanics using industry-standard software. The course also acquaints students with career opportunities within the aviation industry. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

PLTW- Civil Engineering and Architecture 06901/06902

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	06882				

Students will use state of the art software to solve real-world problems and communicate solutions to hands-on projects and activities related to Civil Engineering and Architecture. In this course, students will learn about the roles of civil engineers and architects, project planning, site planning, building design, project documentation and presentation.

PLTW- Computerized Integrated Manufacturing 06891/06892

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	06882				

Students will build on the solid modeling skills developed in PLTW-IED of prototyping, robotics, and automation. Students will solve problems by using computer controlled rapid prototyping and CNC equipment to construct models of their 3D models. Students will also explore the integration of robotics, learning how this technology functions in an automated manufacturing environment.

PLTW- Introduction to Engineering Design 06881/06882

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will be creative and apply decision-making and problem-solving skills to specific design problems, using powerful computer hardware and software (Inventor) to develop 3-D models or solid renderings. Using CAD (computer aided design) students apply the design process through creating, analyzing, rendering, and producing-model.

PLTW- Principles of Engineering 06921/06922

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	06882				

Students will explore engineering systems and manufacturing processes, and continue to develop the problem-solving skills used on the college level and in the work place. In addition, students will learn how engineers address concerns about the social and political consequences created by technological change.

PLTW-Digital Electronics 66911/66912

Grade Level	10-12	Credit/Semester	0.5	NCAA	
Prerequisite	06682				

Students will explore the digital circuits found in video games, watches, calculators, digital cameras, and thousands of other devices. Students will investigate digital logic and how digital devices can control automated equipment prior to constructing circuits. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

PLTW-Engineering Design and Development 06931/06932

Grade Level	11-12	Credit/Semester	0.5	NCAA	
Prerequisite	06992				

Students will apply the principles they learned in previous PLTW courses, work in small teams to design and construct the solutions to an engineering problem involving a wide range of engineering applications. Each team will be responsible for delivering progress reports and making a final presentation to an outside review panel to demonstrate their ideas.

Robotics 1 06801/06802

Grade Level:	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	None				

Students will apply problem-solving as a tool for the process of machine design. Students will use skills to create, design, and fabricate radio-controlled robots. First-year students participating in the District's WildStang FIRST Robotics program will receive Robotics 1 credit for their participation. Students must apply to participate in WildStang FIRST Robotics or Robot Rumble.

Robotics 2 06811/06812

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	06801/06802				

Students will emphasize the use of the theories, physics to solve problems in modern engineering applications. Students will learn to successfully design machines to solve specific problems. Students must apply to participate in WildStang FIRST or Robot Rumble Robotics.

Robotics 3 06821/06822

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	06811/06812				

Students will be expected to apply theories and laws of physics in designing systems such as robotic arms, drive systems, lift systems, and material selections. Third year students participating in the District's WildStang FIRST Robotics program will receive Robotics 3 credit for their participation. Students must apply to participate in WildStang FIRST or Robot Rumble Robotics.

Robotics 4 06841/06842

Grade Level	9-12	Credit/Semester	0.5	NCAA	
Prerequisite	06821/06822				

Students will apply physics to design and building systems. Students will integrate the engineering model for product development design, construct and test. Fourth-year students participating in the robotics program will receive Robotics 4 credit for their participation. Students must apply to participate in WildStang FIRST Robotics. This course may be repeated.

Transportation, Distribution and Logistics

Automotive Systems) 06051/06052

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will experience a variety of hands-on skills and theoretical knowledge of an automobile. Lab activities will emphasize preventive maintenance and entry-level career requirements. Students will explore each automotive system from both a scientific and operational view and will have an opportunity to work on their vehicle for lab experience.

College Aircraft Drafting & Blueprint Reading 64840

Grade Level	11-12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn how to use mechanical drawing equipment, lettering and a study of orthographic and isometric projection, sectioning, auxiliary views and freehand sketching. Also included, the reading of mechanical drawings, electrical and mechanical schematics. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Automotive Engine Performance and Electrical System 66091/66092

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	06051/06052 Automotive Systems			

Students will learn the skills required testing, adjusting, and repairing the computer-controlled automobile system using state of the art electrical and computer based diagnostic equipment. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.



College Aviation Fundamentals 66850

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Program Admission			

Students will learn about aerodynamics, aircraft design, stability, control, Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Aviation Physics 66840

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Program Admission			

Students will study the laws of physics with aviation applications, including structure of matter, gas laws, heat transfer, and properties of liquids. To be enrolled in this dual credit course, student must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Heating and Cooling Controls 60160

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	60080			

Students will learn heating, air conditioning, and refrigeration systems in this introductory class. This course describes sources and methods of producing heat for residential, commercial and industrial systems. The course develops skills in testing, adjusting, and replacing heating system components. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Heating Principles 60150

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will explore the theories and principles of how and why fires start, spread, and are brought under control. Students will relate the principles by which fires spread with the appropriate methods of control. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Industrial Control Systems) 60070

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will study resistive circuits involving electronic devices. Students will explore volt-ampere characteristics and the physics of diodes, transistors, and other semiconductor devices with emphasis on biasing and the setting of DC levels to make the device function. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Private Pilot Ground 1 64820

Grade Level	11-12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will be introduced to the basic principles of flight, aircraft systems and performance, basic meteorology and weather data interpretation, basic radio navigation, physiology, flight planning and decision making. This course helps students prepare for the FAA knowledge, oral, and practical examinations. Meets requirements of 14 CFR 141. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Private Pilot Ground 2 64830

Grade Level	11-12	Grade/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will prepare for the Private Pilot written examination through advanced study of the principles of flight, aircraft systems and performance, meteorology and weather data interpretation, radio navigation, physiology, flight planning and decision making. This course helps students prepare for the FAA knowledge, oral, and practical examinations. Meets requirements of 14 CFR 141. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Refrigeration Fundamentals 60080

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be exposed to career exploration along with development of job entry skills through a competency-based approach to learning. Students examine basic terminology, fundamental loss of energy behavior and transportation, description of various systems and related trouble diagnoses, and an introduction to domestic and commercial cooling and heating equipment. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Career and Technical Education

College Refrigeration Systems 60090

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will continue to develop principles and concepts learned in previous courses. The course familiarizes students with components and accessories added to basic refrigeration systems for special applications. The course develops trouble-diagnosing procedures. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

College Vocational Automotive 66071/66072

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	06062 or Consent of Instructor			

Students will be provided with an in-depth exploration of the specific sub-assemblies of the automobile. Students completing this course will be well prepared to continue post-secondary education leading to the national Automotive Service of Excellence (ASE) certification as an automotive technician. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit. See dual credit section in academic handbook for details.

Diagnostic Testing and Repair 06061/06062

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will experience an in-depth investigation into the automobile and how it is maintained and repaired. Students will develop diagnostic skills through the use of lab test equipment typical of that used in the auto service industry. With successful completion of this course, students will have a work-ing knowledge of fundamental diagnosis, testing, and repair procedures.



Personal Auto 06080

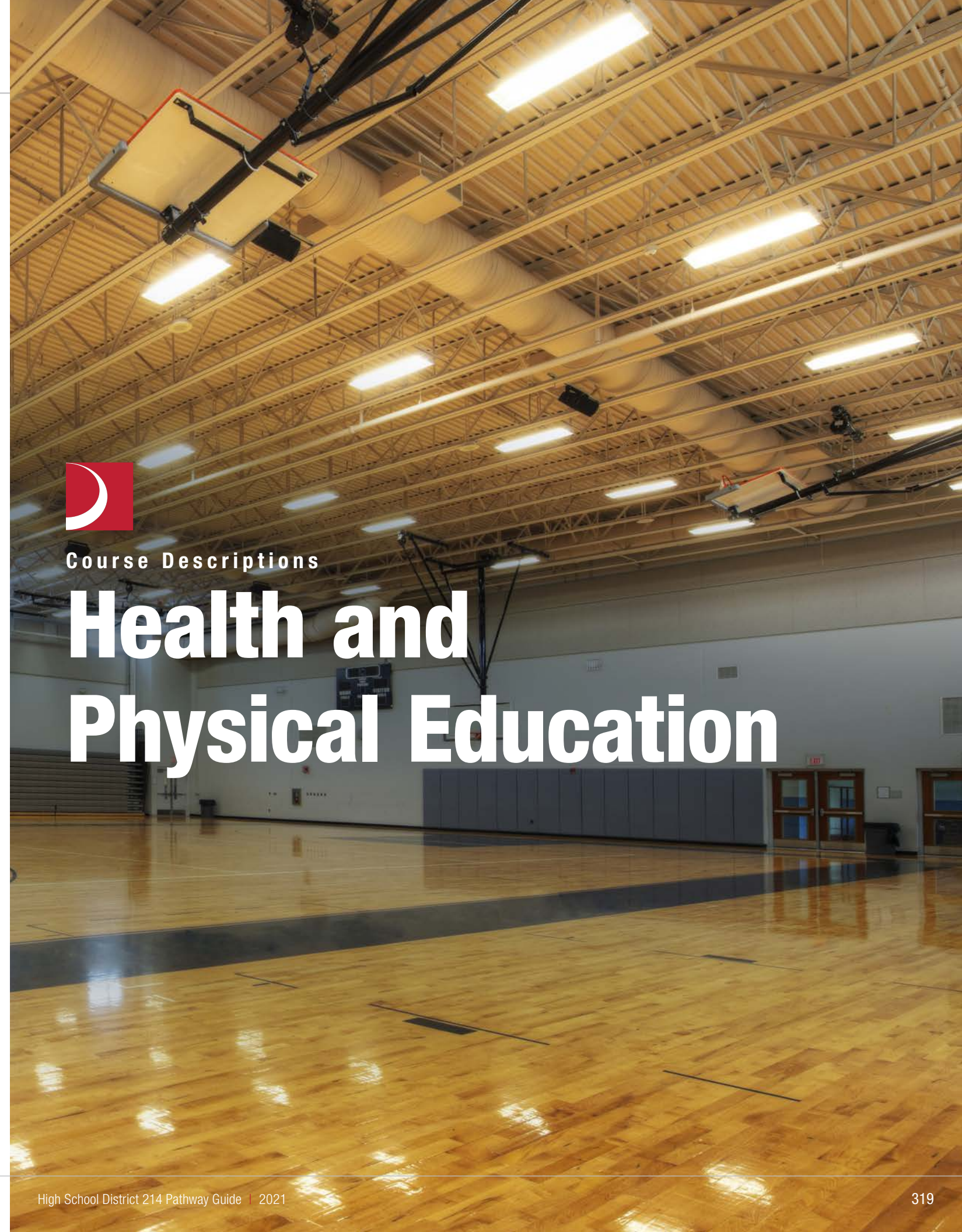
Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn preventive maintenance and diagnostic and repair skills for cars. The goal of the course is not to train automotive technicians, but to develop knowledgeable consumers and home mechanics. Students will receive information about purchasing new and used cars as well as what is necessary to keep a car running safely and properly.

Power-On-Site Training 06791/06792

Grade Level	11-12	Credit/Semester	1.0	NCAA
Prerequisite	06062			

Students will receive technical automotive training and shop work in a commercial enterprise under the direction of a service manager. Training experience includes two hours of work each day with an experienced mechanic or parts person employed by the place of business.



Course Descriptions

Health and Physical Education

Health and Physical Education



Advanced Activities (Fall) 08750

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	08510,08520; Must have attained fitness levels 1 and 2, teacher recommendation			

Students will emphasize fitness through a variety of individual and team activities. This course is an advanced physical education class for students who are interested in competing at higher levels of skill and strategy.

Advanced Activities (Racquet Sports) 08770

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	08510 and 08520			

Students will emphasize fitness through a variety of individual and team racquet sports like tennis, badminton, and pickle ball. This course is an advanced physical education class for students who are interested in competing at higher levels of skill and strategy.

Advanced Activities (Spring) 08760

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	08510 and 08520			

Students will emphasize fitness through a variety of individual and team activities. This course is an advanced physical education class for students who are interested in competing at higher levels of skill and strategy.

Advanced Strength and Conditioning 08660

Grade Level	12	Credit/Semester	0.25	NCAA
Prerequisite	08510 and 08520 or 08440 and Division Head Approval			

Students will engage in aquatic-related activities while learning advanced swimming techniques. This course will promote life safety skills and students may be afforded the opportunity to obtain lifeguard certification.

Advanced Swimming 08650

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will learn swimming as a lifelong activity while developing advanced swimming and life safety skills as well as the fitness level to do so. Students may be afforded the opportunity to obtain a Lifeguard certification.

Beginning Strength and Conditioning 08440

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will learn the fundamentals of strength training and conditioning techniques. They will participate in strength and cardiovascular activities that will improve fitness and overall wellness.

College Advanced Strength and Conditioning 68660

Grade Level	12	Credit/Semester	0.25	NCAA
Prerequisite	08510 and 08520 or 08440 or Division Head Approval			

Students will participate in class activity emphasizes improving health-related fitness through weight training, exercises, and running programs. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit.

College Basic Care and Prevention of Athletic Injuries 68810

Grade Level	11-12	Credit/Semester	0.25	NCAA
Prerequisite	08840 or Division Head Approval			

Students will gain knowledge on the primary causes of injuries, analysis of preventive measures; care of injuries in relation to type of tissue involved. To be enrolled in this dual credit course, students must meet dual credit prerequisites and complete dual credit requirements. Upon successful completion of this dual credit course, students may receive college/university credit.

Dance 1 08550

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will explore ballet, contemporary, jazz, and choreographic techniques. Successful completion of this course meets the fine arts and physical education graduation requirements.

Dance 2 08560

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will build upon the technical fundamental skills of dance taught in Dance 1. Students will strengthen their dance education in ballet, contemporary, jazz, and choreographic techniques. Students will also continue to gain experience as a performer. Successful completion of this course meets the fine art and physical education requirements.

Dance 3 08640

Grade Level	12	Credit/Semester	0.25	NCAA
Prerequisite	08580, 08590			

Students will learn dance at an intermediate and advance level while exploring various styles of dance. Successful completion of this course meets the fine arts and physical education graduation requirements.

Exercise Physiology 08491/08492

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Student will focus on the disciplines of physical education, human physiology, medical terminology, and healthcare while providing information on career opportunities in the health field and available educational programs. Students will engage in a variety of exercise protocols while simultaneously learning the corresponding physiological concepts that relate to each form of exercise.

Health and Physical Education

Freshman Physical Education 1 08510

Grade Level	9	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will be introduced to concepts for personal development in health-related fitness and physical skills; these include cardiovascular exercise, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. Students will develop physical and health-related fitness skills through participation in individual and team activities.

Freshman Physical Education 2 08520

Grade Level	9	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will be introduced to concepts for personal development in health-related fitness and physical skills; these include cardiovascular exercise, strength, endurance, and flexibility, which will be the basis for the four-year physical education program. Students will develop physical and health-related fitness skills through participation in individual and team activities in this second semester of the freshman physical education course.

Grace Gymnastics 08680

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	9-None, 10-12-08510 or 08530 and 08520 or 08540			

Students will be introduced to major emphasis on the techniques, skills, and terminology commonly used in women's gymnastics balance beam, uneven bars, vaulting, and floor exercise. Various gymnastic and health-related fitness activities develop the individual's physical fitness and gymnastics skills. This course may not be repeated except with permission from the division head.

Health Education 08690

Grade Level	10	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will learn the major concepts of wellness and personal and public health. In this course, students will be trained on how to properly administer cardiopulmonary resuscitation and how to use an automated external defibrillator.

Junior Leader 1 08580

Grade Level	11	Credit/Semester	0.25	NCAA
Prerequisite	Teacher/Staff Recommendation			

Students will engage in leadership training within a variety of physical education settings. Students will actively participate in and learn how to lead small and large group activities as well as improve their communication, organization, and problem-solving skills.

Junior Leader 2 08590

Grade Level	11	Credit/Semester	0.25	NCAA
Prerequisite	08580			

Students will be provided a practicum which expands their knowledge learned in 08580. Students may choose an elective course or regular physical education for their Junior Leaders 2 experience.

Lifestyle Fitness 08800

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Consent of Instructor			

Students will explore the physical and nutritional aspects of lifetime wellness. The primary areas of study include individual physical fitness and physiology, nutritional fitness, and lifetime healthy habits.

Modified Physical Education 08500

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will engage in differentiated physical activity when they are unable to participate in the regular physical education curriculum. This class emphasizes development and implementation of prescribed exercise programs as directed by health-care professionals.

Orchesis 08571/08572

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Audition and Division Head Approval			

Students will develop advanced techniques in numerous dance forms as well as creative expression, aesthetic discrimination, and performance qualities. Students are selected by audition and will satisfy the fine arts and physical education requirements.



Yoga and Mindful Movement Practices 08740

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will learn a mind-body approach to physical activity. The class will offer an in-depth study of the fundamental principles of yoga techniques and related mindful movement practices. Students will be given the tools to reduce tension, increase energy levels, move efficiently, and develop self-awareness. They will also learn to safely tailor their practice to meet their individual needs.

Health and Physical Education

Personal Training Certification 04391/04392

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will be preparing for the ACE personal trainer certification exam by designing programs that help clients to improve posture, movement, flexibility, balance, core function, cardio respiratory fitness, and muscular endurance and strength. This course will have a lab and classroom component.

Physical Education 08530

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	08510/08520 or Division Head Approval			

Students will focus on personal health with emphasis on health-related fitness; students will work on exercise, cardiovascular, body composition, strength, endurance, and flexibility. Students engage in fitness activities based on their fitness level. A variety of fitness, skills, individual, and field activities will promote the development of lifetime fitness leisure skills.

Physical Education 08540

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	Division Head Approval			

Students will focus on personal health with emphasis on health-related fitness; students will work on exercise, cardiovascular, body composition, strength, endurance, and flexibility. Students engage in fitness activities based on their fitness level. A variety of fitness, skills, individual, and field activities will promote the development of lifetime fitness leisure skills.

Power Gymnastics 08670

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	9-None, 10-12-08510 or 08530 and 08520 or 08540			

Students will learn and improve a variety of techniques, skills, and terminology commonly used in men's gymnastics events vaulting, floor exercise, side horse, pommel bar, horizontal bars, and rings. This course may not be repeated except with permission from the division head.

Senior Leader 08600

Grade Level	12	Credit/Semester	0.25	NCAA
Prerequisite	08580, 08590			

Students will utilize the leadership techniques they learned in Junior Leader 1 and Junior Leader 2. The student will actively participate in and lead small and large group activities and assist physical education teachers in teaching, testing, officiating, and handling the managerial tasks associated with physical education instruction. This course may be repeated for one additional semester.

Sports Medicine 1 08840

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will learn about the people, places, technologies, and careers in sports medicine as well as acquire knowledge and skills related to solving sports medicine problems. Student Primary causes of injuries; analysis of preventive measures; care of injuries in relation to type of tissue involved.

Sports Medicine 2 08850

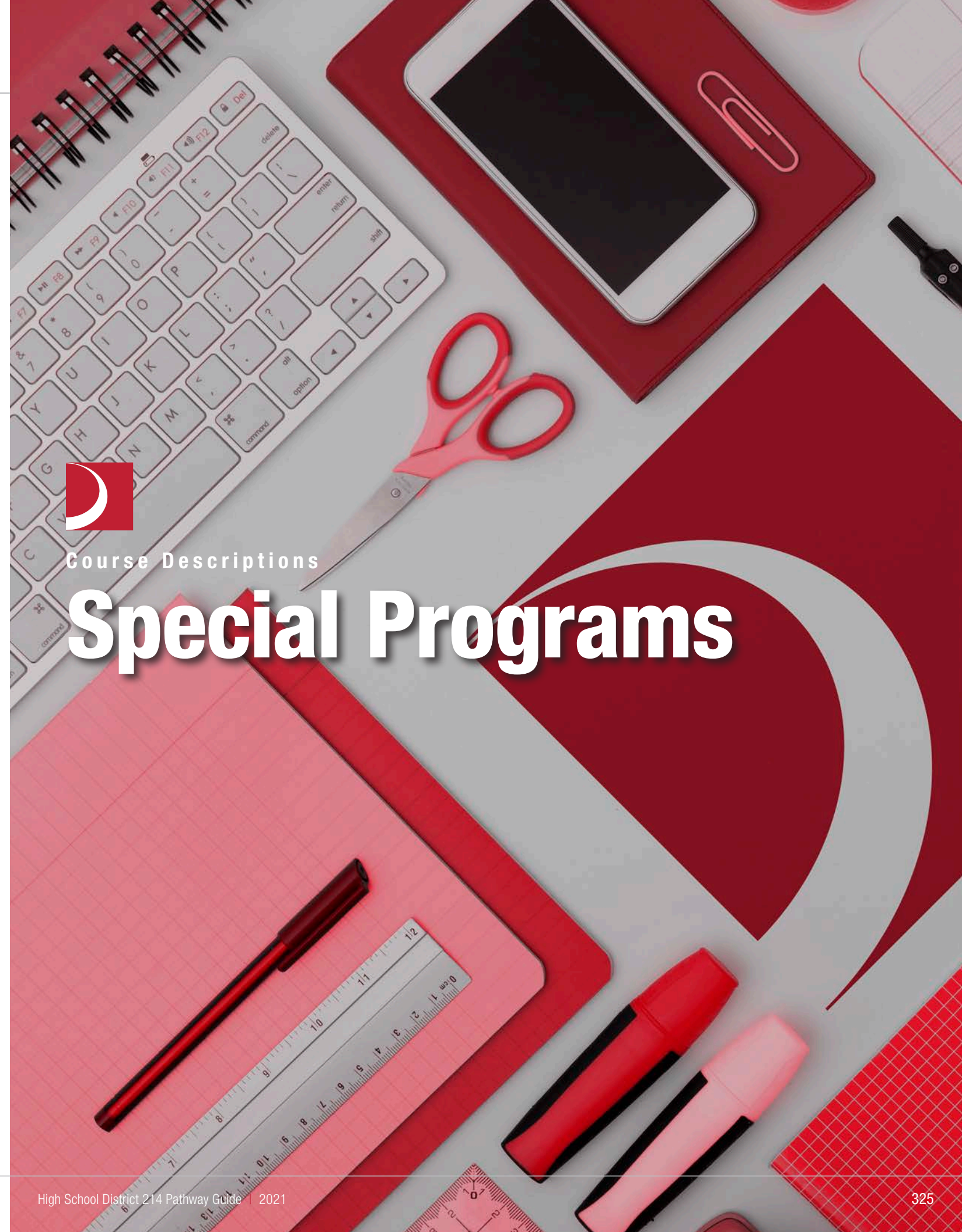
Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	08840			

Students will study the various body parts and systems, flexibility, strength, injury recognition, athletic first aid, and rehabilitation. The course will have a classroom and a lab component.

Yoga and Mindful Movement Practices 08740

Grade Level	10-12	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will learn a mind-body approach to physical activity. The class will offer an in-depth study of the fundamental principles of yoga techniques and related mindful movement practices. Students will be given the tools to reduce tension, increase energy levels, move efficiently, and develop self-awareness. They will also learn to safely tailor their practice to meet their individual needs.



Course Descriptions

Special Programs

Special Programs



Advanced Research and Composition 02910

Grade Level	12	Credit/Semester	0.50	NCAA
Prerequisite	02611/53281			

Students will demonstrate critical thinking and academic research skills on a topic of the student's choosing. Through this research, students will design, plan, and conduct a year-long research-based investigation to address a research question, and argumentation skills will be explored and developed.

Adventure Learning 06570

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in activities that promote cooperation, trust, communication, problem-solving and creativity through a series of controlled activities. These activities range from icebreakers to trust activities leading to skills that students will transfer to real-life situations. Activities will focus on problem-solving skills as the students encounter a number of difficult challenges ranging from physical tasks to getting along with others who may not have the same goals as they do. Three challenge field trips are included in this course; one near the end of the semester serves as a culminating activity.

AP Research 02701/02702

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will explore an academic topic, problem, or issue of individual interest. Students design, plan, and conduct a yearlong investigation to address a research question. Students will understand research methodology; ethical research practices; and synthesizing information as they address a research question. The course culminates in an academic paper and a presentation.

AP Research-English 02711/02712

Grade Level:	12	Credit/Semester:	0.5	NCAA:	Yes
Prerequisite:	Must have taken AP Seminar-English and at least three other passing AP scores (3 or higher)				

Students will immerse themselves in a yearlong College Board's AP Capstone program topic that requires an independent scholarly study including the creation of original research and methodology. Students will investigate their topic, address scholarly research, provide scientific writing, compose a 5000-word paper, and then present an oral defense of their findings to an expert panel. Throughout the course students will address fundamental skill sets in literary analysis, synthesis of information within research, composition (rhetorical analysis), and public speaking. This course meets the English-Language Arts graduation requirement.

AP Seminar 02601/02602

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will engage in cross curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually.

AP Seminar-English 02611/02612

Grade Level	9-12	Credit/Semester	0.0	NCAA
Prerequisite	Division Head Approval			

Students will explore the complexities of academic and real-world topics by analyzing divergent perspectives by using an inquiry framework. Students will synthesize information from multiple sources, develop perspectives in research-based essays, and design/deliver oral and visual presentations. This course meets the language arts graduation requirement.

AVID 1 02390/02400

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	API Recommendation			

Students will develop writing, inquiry, collaboration and reading through the content areas as well as communication, self-advocacy, leadership, organization/time management skills, and additional focus on college and career research. Developing the college entrance essay as well as the college application and financial aid process is integral to the AVID experience.

AVID 2 02410/02420

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	API Recommendation			

Students will develop writing, inquiry, collaboration and reading through the content areas as well as communication, self-advocacy, leadership, organization/time management skills, and additional focus on college and career research. Developing the college entrance essay as well as the college application and financial aid process is integral to the AVID experience.

AVID 3 02430/02440

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	API Recommendation			

Students will develop writing, inquiry, collaboration and reading through the content areas as well as communication, self-advocacy, leadership, organization/time management skills, and additional focus on college and career research. Developing the college entrance essay as well as the college application and financial aid process is integral to the AVID experience.

AVID 4 02450/02460

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	API Recommendation			

Students will develop writing, inquiry, collaboration and reading through the content areas as well as communication, self-advocacy, leadership, organization/time management skills, and additional focus on college and career research. Developing the college entrance essay as well as the college application and financial aid process is integral to the AVID experience.

The Learning Leader 10040

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will investigate the art of leadership through an in-depth examination of the skills needed to lead individuals, groups, or organizations. This project-based learning course uses a variety of authentic resources to examine the traits of positive leadership, explore team-building strategies, assess organizational strengths and weaknesses, collaborate with decision-making stakeholders, nurture an inclusive culture, develop short-term and long-term goals, consider various communication methods, and evaluate the ethical responsibility of leaders. Students will demonstrate their knowledge by applying their skills in community service projects, school-based programs, and/or community groups. A comprehensive portfolio will be created by each student to highlight their leadership experiences and to define their personal leadership philosophy.

Life and Career Planning-70 hours 08980

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will use this course to track and document participation in the life and career-planning program.

Special Programs

Post-Secondary Pathway Exploration & Practicum 02720

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will identify college and career interests and develop plans to pursue the skills and training necessary to be successful in their chosen field. Students will develop an understanding of career pathways and course options that lead to post-secondary success. Students will work on important social skills necessary to be successful in college or the workplace. Students taking this course will be prepared to apply and participate in work-based learning experiences. Students will be trained to obtain internships or apprenticeships or jobs. This course may be repeated.

Preparatory Study Skills 02250

Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	None			

Students will develop strategies for time management, task completion, test preparation, test completion, communication, and problem solving.

Service Learning-70 Hours 06580

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will participate in a variety of community service experiences under the monitoring of District 214 staff. Students will individually customize experiences with prior approval, and will have to log a minimum of 70 hours of service learning.

Strategies for Learning 08911/08912

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop learning strategies for success in their core curriculum subjects. Students will integrate skills taught from this course and will apply effective study skills, promote self-advocacy and establish a positive self-concept. Additionally, students will focus on addressing executive functioning proficiency along with preparing for college, career and life readiness.



Strategies for Learning 2 08921/08922

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop learning strategies for success in their core curriculum subjects. Students will integrate skills taught from this course and will apply effective study skills, promote self-advocacy and establish a positive self-concept. Additionally, students will focus on addressing executive functioning proficiency along with preparing for college, career and life readiness.

Strategies for Learning 3 08931/08932

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop learning strategies for success in their core curriculum subjects. Students will integrate skills taught from this course and will apply effective study skills, promote self-advocacy and establish a positive self-concept. Additionally, students will focus on addressing executive functioning proficiency along with preparing for college, career and life readiness.

Strategies for Learning 4 08941/08942

Grade Level	9-12	Credit/Semester	0.5	NCAA
Prerequisite	Division Head Approval			

Students will develop learning strategies for success in their core curriculum subjects. Students will integrate skills taught from this course and will apply effective study skills, promote self-advocacy and establish a positive self-concept. Additionally, students will focus on addressing executive functioning proficiency along with preparing for college, career and life readiness.



Course Descriptions

Naval Science

Naval Science 1 08451/08452

Grade Level	9-11	Credit/Semester	0.5	NCAA
Prerequisite	None			

Students will gain an appreciation for the heritage and traditions of America, with recognition of the historically significant role of sea power. By learning the basics of leadership and citizenship, cadets earn a growing sense of pride in their organization, peers, and self. This course introduces the begin-ning cadet to the Navy and the NJROTC program.

Naval Science 2 08461/0846

Grade Level	10-12	Credit/Semester	0.5	NCAA
Prerequisite	08451/08452			

Students will establish commendable citizenship standards, high leadership goals, good study habits, and a sense of responsibility; develop appreciation for authority in a democratic society; learn about the organization of and professions in the Navy; and gain a deeper awareness of the vital importance of the world's oceans to the continued economic, political, military, and environmental well-being of the United States.

Naval Science 3 08471/08472

Grade Level	11-12	Credit/Semester	0.5	NCAA
Prerequisite	08461/08462			

Students will establish commendable citizenship standards, high leadership goals, good study habits, and a sense of responsibility; develop appreciation for authority in a democratic society; learn about the organization of and professions in the Navy; and gain a deeper awareness of the vital importance of the world's oceans to the continued economic, political, military, and environmental well-being of the United States.

Naval Science 4 08481/08482

Grade Level	12	Credit/Semester	0.5	NCAA
Prerequisite	08471/08472			

Students will develop their leadership skills through practical application of concepts and techniques acquired in previous courses and through reading and discussions of advanced leadership topics and themes. Senior cadets are usually in positions of responsibility and authority within the unit, leading and assisting others.



Course Descriptions

Driver Education

Driver Education Classroom **09650**

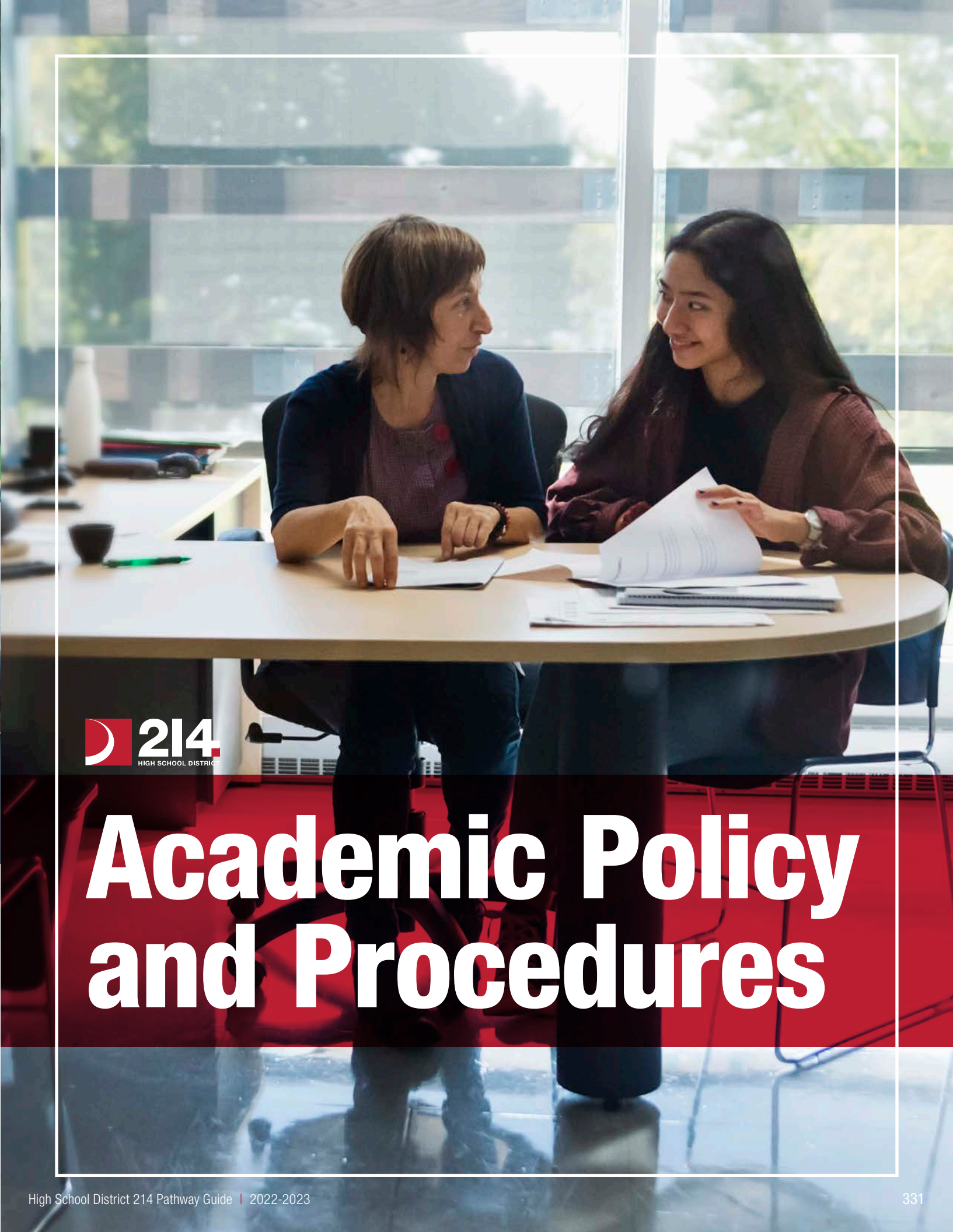
Grade Level	9-12	Credit/Semester	0.25	NCAA
Prerequisite	Selection Based On Birth Date and IL Eligibility Requirement			

Students will learn about the complexities of owning and driving an automobile. The class will focus on safe driving techniques and the dangers of impaired and/or distracted driving.

Driver Education Lab **09660**

Grade Level	9-12	Credit/Semester	0.0	NCAA
Prerequisite	Selection Based On Birth Date and IL Eligibility Requirement			

Students will receive 6 hours of behind the wheel instruction in conjunction with the classroom portion of the driver education curriculum. Each student must also hold a valid Illinois permit for nine months and turn sixteen years of age before they can obtain an Illinois driver license.



Academic Policy and Procedures

Academic Policy and Procedures

INTRODUCTION

Section I of the Academic Handbook provides the list of career pathways available to D214 students. Section II is a catalog of all Board of Education approved courses offered at our educational sites. Section III contains district-wide academic policies, procedures and practices, and general information that is important to the academic planning process. In addition to this handbook, District 214 publishes a Student & Parent Handbook which includes information on attendance, behavior, co-curricular participation, transportation, and other student services.

This document can be accessed at www.D214.org/District-Departments/D214-Student-Handbook.

DISTRICT 214 MISSION (POLICY 1:30)

Our Primary Mission is to help all students learn the skills, acquire the knowledge, and develop the behaviors necessary for them to reach their full potential as citizens who can meet the challenges of a changing society.

Our Secondary Mission is to provide residents with opportunities for lifelong learning.

DISTRICT 214 INSTRUCTIONAL PHILOSOPHY (REFERENCE POLICY 6:10)

The Board of Education's primary mission is to help all students learn the skills, acquire the knowledge, and develop the behaviors necessary for them to reach their full potential as citizens who can meet the challenges of a changing society. The Board expects priorities for instruction, the evaluation system, and graduation requirements to reflect its commitment to student learning.

DISTRICT INSTRUCTIONAL GOALS

As measured by the Board-approved College/Career Readiness Indicators, the District will increase student success annually or will exceed a threshold established by the Board after two years of data are collected and analyzed.

College Readiness Indicators

Students are College Ready if they meet either the academic or standardized testing benchmarks listed below:

GPA **2.8** out of **4.0** and one or more of the following benchmarks:

- Advanced Placement Exam (3+)
- International Baccalaureate Exam (4+)
- Advanced Placement Course (A, B or C)
- College Readiness Placement Assessment
- Dual Credit College English and/or Math (A,B or C)
- Math (A,B, or C)
- Algebra II (A,B, or C)
- SAT Exam: Math (530)
- SAT Exam: Reading and Writing (480)
- ACT Exam: English (18)
- ACT Exam: Reading (22)
- ACT Exam: Science (23)
- ACT Exam: Math (22)

(Standardize test benchmarks minimum College College Developmental/Remedial English and/or score)

Additional Factors that Contribute to College Success: Earning As, Bs, Cs; FAFSA completion; enrollment in career pathway course sequence; college academic advising; participation in college bound bridge programs; senior year math class completion of a math class after Algebra II.

CAREER READY INDICATORS

1. Students are Career Ready if they have identified a career interest and meet two of the behavioral and experiential benchmarks listed below. In addition, students entering the military upon graduation must meet the passing scores on the Armed Services Vocational Aptitude Battery (ASVAB) for each branch of the military.

Career Cluster Identified and two or more of the following benchmarks:

- 90% attendance
- Industry Credential
- 25 hours of Community Service
- Dual Credit Career Pathway Course
- Workplace Learning Experience
- Two or more organized Co-Curricular Activities

2. As measured by the growth from PSAT and SAT, the percent of students meeting or exceeding national growth norms from PSAT to SAT will increase annually or will exceed a threshold established by the Board after two years of data are collected and analyzed.

COURSE SELECTION

Course selection is as much a commitment by the student as the school. Students should ask teachers, counselors, and administrators for help in selecting courses and discuss their plans, decisions, and choices with their parent(s)/guardian(s).

Requesting a course does not guarantee that the course will be available. Sometimes it is necessary to cancel courses due to insufficient enrollment or other factors. Irresolvable scheduling conflicts may also occur. Students should have alternative course selections and backup plans ready in the event of such situations. Courses are reviewed each year. Any course not taught for two years is placed on the archive list.

COURSE ACHIEVEMENT LEVELS

In addition to the general education program the district offers three curriculum achievement levels to meet the learning needs of individual students. Weighted grading is based on a course's achievement level and course titles indicate their achievement levels.

Advanced Placement/ College (A = 5.0/4.0)

A designation of "AP," Advanced Placement, in the course title indicates the course follows the College Board's guidelines for that subject's official AP course description and has been authorized by the College Board through the AP Course Audit process. Students take college level courses while in high school and may take advanced placement exams in May. Colleges may give credit and/or advanced placement to students on the basis of exam scores.

The district will also offer the AP/5.0 weight to any International Baccalaureate (IB) courses (if they become available); Project Lead-the-Way (PLTW) courses (with the exception of 06931/06932 Engineering Design and Development); 06461/06462 Introduction to Nanotechnology,

and 64981/64982 College Calculus 3 and Differential Equations and any early college credit course designated by a course number beginning with the number six.

Many colleges and universities move students who successfully complete Project Lead-the-Way (PLTW) in high school to a higher-level engineering class freshmen year. Students taking PLTW in high school can earn college credit from a number of participating universities/colleges. Colleges may give credit to students who achieve an 85 percent average in their high school course, earn a 70 percent or higher on the college credit exam, and complete a portfolio of coursework.

For more information on District 214 EEO policy see www.D214.org/District-Departments/D214-Student-Handbook.

Honors (A = 4.5)

Honors courses are offered at 4.5 grade weight. , more rigorous than general education courses, are designed for students who have an outstanding record of achievement in a particular subject area. The honors title will be limited to core academic area courses where there are not AP/Honors options at that course level and all World Languages levels 3 and 4.

General Education (A = 4.0)

General education courses are taught at grade level. These course titles do not contain any achievement level designation.

Preparatory (A = 4.0)

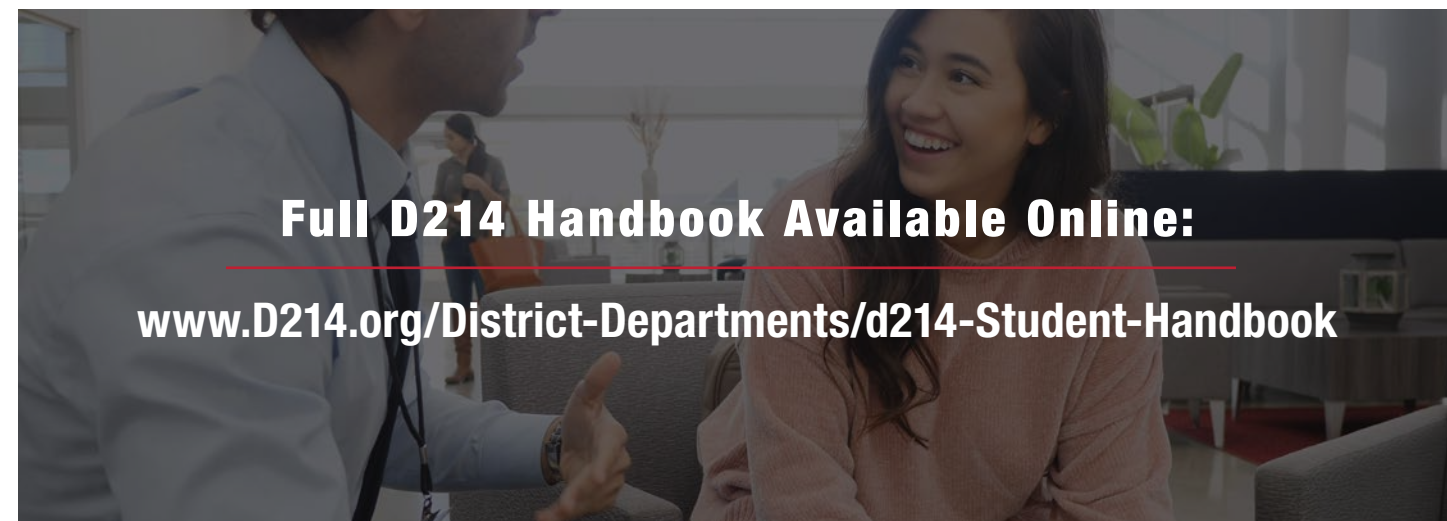
Preparatory courses are specially designed to address the learning needs of students who are below grade level (general education level). The purpose of preparatory courses is to move students to grade level study in the general education curriculum. Teachers monitor student progress to determine if and when a student is ready to move to the general education curriculum.

DUAL CREDIT OPTIONS

The Dual Credit program allows high school students an opportunity to satisfy high school graduation requirements and simultaneously earn college credit. District 214 currently has agreements with numerous colleges and universities for dual credit with Eastern Illinois University, Harper Community College, Lewis University, National Louis University, Northeastern Illinois University, and Triton College. High school instructors and college faculty deliver college level course content and meet college learning outcomes in order to qualify the courses for dual credit.

Students enrolling in a dual credit course with a college partnering with D214 shall be classified as a student of that college and must abide by their rules and guidelines.

Students must meet both District 214 and college or university's prerequisites in order to be eligible to receive dual credit. District transcript review or placement testing may be required to meet the prerequisites for some courses.



Dual Credit students are additionally held to the college or university's policies, procedures, and withdrawal dates, which are communicated to students through the dual credit courses syllabi. Students withdrawing from dual credit may receive a "W" or "F" on their college or university academic transcript according to the college or university's withdrawal policies. A "W" on a college or university transcript may not affect a student's college or university's GPA; however, it still may have an impact on future financial aid eligibility. Similarly, any grade earned in dual credit courses will be transcribed through the college or university, and may affect GPA, hours earned, and future financial aid eligibility.

While District 214 strives to develop dual credit opportunities which maximize students' post-secondary opportunities, transferability of college or university credit is at the discretion of a receiving post-secondary institution.

To be eligible and registered for dual credit, students must complete and turn in the District 214 Guardian Permission form and complete the institution specific dual credit application and forms as necessary all required District 214 and college/university partner application materials at www.apply214.org. Students who fail to complete all necessary forms and applications may be ineligible to be enrolled in the dual credit course. Students should see their counselor regarding these forms and steps. Questions about transferability of any dual credit courses should be directed to the college/university in which they are interested in attending.

CLASS STANDING AND PLACEMENT

(Organization of Instruction) (Reference Policy 6:30)

The School District has instructional levels for grades 9 through 12. Students, for the instructional purposes, may be placed in groups within a school that do not necessarily follow grade level designation. For purposes of attendance reporting and other records, however, each student is assigned a grade-level placement. Students shall not be promoted to the next higher- grade level based upon age or any other social reasons not related to the academic performance of the student. Decisions to promote or retain students in any grade level shall be based on successful earning of minimum units of credit.

Counselors annually review each student's achievement record and class standing. A student's classification is generally determined by the cumulative units of credit earned by the beginning of the school year (fall semester). The school notifies a student and his/her parent(s)/guardian(s) when the student falls below the minimum units listed below.

Classification Minimum	Earned Units of Credit
Sophomore	5
Junior	10
Senior	15

Students who are behind in earning credit are expected to do one or more of the following:

1. enroll in summer school;
2. increase the number of courses they take;
3. take an accredited correspondence or online learning course or apply for a District 214 independent study course;
4. enroll, if a senior, in the Young Adult Program; and/or
5. continue to enroll in high school beyond the typical four years.

GUIDELINES FOR EARLY GRADUATION

The Superintendent or designee shall implement procedures for students to graduate early, provided they finish 7 fall/spring semesters of high school (excluding summer school) and meet all graduation requirements.

Unless otherwise exempted, each student must successfully accomplish the following in order to graduate from high school:

1. The student must complete an Early Graduation Request form and file it with his/her counselor explaining the reason for early graduation and obtain all appropriate signatures. For students who are 18 years old, the parent/guardian signature indicates awareness and not approval.
2. The school administration and the assistant superintendent for student services must approve all applications for early graduation. A parent conference is required before a seven-semester graduation will be approved.
3. Complete all District graduation requirements that are in addition to the State requirements, as listed in the Academic Handbook. The student's counselor will complete a credit review to determine that all graduation requirements will be met by the date of withdrawal from school.
4. Complete all courses as provided in The School Code, 105 ILCS 5/27-22, according to the year in which a student entered the 9th grade.
5. Complete all minimum requirements for graduation as specified by Illinois State Board of Education rule, 23 ILL.Admin.Code 1.440.
6. Pass an examination on patriotism and principles of representative government, proper use of the flag, methods of voting, and the Pledge of Allegiance.
7. Diplomas are only available in June. The district does not hold midyear commencement exercises or distribute diplomas at that time. Transcripts confirming that the student has met all graduation requirements are issued upon request after all grades and credits are posted. Early graduates are welcome to participate in the commencement exercises held at the conclusion of the regular school year.

The Superintendent or designee is responsible for: (1) maintaining a description of all course offerings that comply with the above graduation requirements, (2) notifying students and their parents/guardians of graduation requirements, (3) developing the criteria for determining when a student accomplishes number 5 as well as a method for recording that fact in the student's school record, and (4) taking all other actions to implement this policy.

Certificate of Completion

A student with a disability who has an Individualized Education Program (IEP) prescribing special education, transition planning, transition services, or related services beyond the student's 4 years of high school, qualifies for a certificate of completion after the student has completed 4 years of high school. The student is encouraged to participate in the graduation ceremony of his or her high school graduation class. The Superintendent or designee shall provide timely written notice of this requirement to students with disabilities and their parents/guardians.

Grading System					
A	Excellent performance	I	Incomplete	LC	Level Change (pre-approval required)
B	Strong performance	IP	In progress* (student's learning is ongoing)	W	Withdrawn from class
C	Satisfactory performance	NC	No Credit (pre-approval required)	WI	Withdrawn Incomplete (transfer students only)
D	Minimally acceptable performance	RE	Repeat (pre-approval required)	WF	Withdrawn Failing
F	Unacceptable performance	AT	Audit (pre-approval required)		
P	Pass (pre-approval required)	AU	Audit (insufficient seat time to earn a grade)		

Grade Point Values				
Grade	Advanced Placement	Honors	General Education	Preparatory
A	5.0	4.5	4.0	4.0
B	4.0	3.5	3.0	3.0
C	3.0	2.5	2.0	2.0
D	2.0	1.5	1.0	1.0
F	0.0	0.0	0.0	0.0

GRADING AND PROMOTION

(Reference Policy 6:280)

The Superintendent shall establish a system of grading and reporting academic achievement to students and their parents/guardians. The system shall also determine when promotion and graduation requirements are met.

A student shall not be promoted based upon age or any other social reason not related to academic performance.

Teachers use letter grades to report and document student achievement of course standards. Standards, which are established and communicated by teachers at the outset of each course, are used to evaluate student achievement.

Grading should reflect a demonstrated understanding of content and skills and shall not be based on external factors such as discipline. Every teacher shall maintain an evaluation record for each student in the teacher's classroom, and shall use the following Standard Score Scale to determine grades:

A = 90-100 | B = 80-89 | C = 70-79 | D = 60-69 | F = 0-59

Course-alike teachers of 5.0 weighted classes may use an alternate grading scale as long as the alternate grading scale has been reviewed by their respective division head and students are informed of the modified scale at the beginning of the course. All letter grades are available to all students in all courses.

No grade may be changed without notification to the teacher concerning the nature and reason for the change. The administrator making the change must sign the changed record.

Final Grades and Progress Reports

1. Final grades and units of credit are earned at the end of each semester.
2. Student grades, attendance and teacher comments can be accessed through the Infinite Campus online grading portal that is regularly updated.
3. Final grades, which include the results of any comprehensive examination/assessment, are given at the end of the semester (term at WHS) reflect the achievement of course standards, and are recorded on the student transcripts (permanent records).
4. Students enrolled in yearlong course may take cumulative exams or receive alternative assessments prior to the end of the first semester.

Final Examinations/Assessments

1. Teachers use a variety of examinations/assessments to determine the degree to which students have met course standards.
2. Such examinations/assessments may affect students' final grades in varying degrees.
3. Comprehensive final examinations/assessments generally comprise between 10% and 20% of the final grade. The division head must approve exceptions to this rule in advance

GUIDELINES FOR REQUIRED COURSE LOAD AND FULL-TIME STATUS

The Illinois School Code defines a “day of attendance” by pupils as not less than five (5) clock hours (300 minutes) of school work under direct supervision of teachers or non-teaching personnel or volunteer personnel when engaging in non-teaching duties and supervision of students (105 ILCS 5/18-8.05). In order to be counted in the district’s average daily attendance (ADA), a student must meet the 300-minute requirement.

Courses taken Pass/No Credit (P/NC) count toward full time status only if the student earns a grade of “P.” The following grades do not count toward full-time status: “AU,” “LC,” “WI,” and “W.”

PROCESS TO DETERMINE HONOR ROLL STATUS

The district compiles honor rolls in January and June to recognize student achievement. Students are placed on the “A” honor roll if they are full-time students (see Full-Time Status), have a semester grade point average in January and/or June of at least 3.50, and have no final letter grade lower than a “B” (or its equivalent in AP courses). Students are placed on the “B” honor roll if they are full-time students (see Full-Time Status), have a semester grade point average in January and/or June of at least 3.0 or higher, and have no final letter grade lower than a “C” (no equivalent in AP courses).

Students who earn credit through independent study, proficiency, and accredited correspondence or online learning options are eligible for honor roll providing they meet all other criteria for honor roll eligibility.

A student is ineligible for honor roll status if he/she is not a full-time student, has a final grade in January or June of “D,” “F” or “WF”.

The school uses the higher of a student’s two grade point averages (weighted and non-weighted) to determine honor roll status. Physical education and driver education courses count toward academic status but are not calculated into a student’s GPA.

Honor Roll Awards

Schools provide special recognition for students who have been on the “A” or “B” honor roll for four and seven consecutive semesters (computed after 1st semester each year). Students receive their recognition second semester.

HONOR GRADUATES

Students receive special recognition at graduation for academic achievement based on their cumulative grade point average.

Recognition	Cumulative GPA
Highest Honors	4.20 +
High Honors	4.00 - 4.19
Honors	3.80 - 3.99

The school uses the higher of the student’s two grade point averages (weighted and non-weighted) to identify honor graduates. A student’s GPA is rounded to two decimal points to determine his/her eligibility for recognition.

GUIDELINES FOR DROPPING A COURSE

A student must have the approval of his/her parent or guardian to drop a course and must process the request for withdrawal with his/her counselor. Once a semester begins, the following rules apply:

1. If a student drops a course on or before the 15th day (not including holidays, institute, and non-attendance days), no record of the course appears on the student’s transcript.
2. Students who drop a course between the 16th and 30th school days (not including holidays, institute, and non-attendance days) will have the course title and a grade of “W” (withdrawn) recorded on their transcript. (Note: “W” grades are not included in computing grade point average and do not affect honor roll eligibility.)
3. Students who drop a course on or after 31 school days (not including holidays, institute, and non-attendance days) a grade of “WF” (withdrawn failing) is recorded on the student’s transcript.
4. If the administration, any time after the end of the 31st school day (not including holidays, institute, and non-attendance days), drops a student from a course, the course title and a grade of “F” (failing) are recorded on the student’s transcript.
5. “WF” and “F” grades are included in computing grade point averages and negatively impact honor roll eligibility.

Dropping a Course During Summer School

1. Students who drop or are dropped from a summer school course anytime during the 1st week will have the course expunged from their academic record.
2. Students who drop the course are dropped from a summer school course anytime during the 2nd week will receive a “W” (withdrawn) as a final semester grade.
3. Students who drop or are dropped from a summer school course during the 3rd week will receive a “WF” (withdrawn failing) as the final semester grade.

PROOF OF ATTENDANCE

Parents/Guardians and students can use a students’ schedule, report card, or transcript to show proof of high school enrollment and/or attendance. No individual letters of enrollment and/or attendance will be issued for any reason.

ACHIEVEMENT AND AWARDS

(Policy 6:330)

Grade Point Average and Class Honor Roll

The Superintendent shall maintain a uniform process for secondary schools to calculate, on at least a yearly basis and each student’s grade point average, as well as an honor roll for each class.

Awards and Honors

The Superintendent shall maintain a uniform process for presenting awards and honors for outstanding scholarship, achievement, and/or distinguished service in school activities in such a way as to minimize bias and promote fairness. The Superintendent shall supervise the selection of the recipient(s).

All donations for awards, honors, and scholarships must receive the Board of Education’s prior approval. The District will not sponsor Baccalaureate services.

PROCEDURE TO DETERMINE GRADE POINT AVERAGE (GPA)

Two grade point averages are computed and recorded on report cards and transcripts. The **weighted GPA** is computed by dividing the sum of the weighted grade points by the number of credits attempted.

The **non-weighted GPA** is computed by dividing the sum of non-weighted grade points (A = 4, B = 3, etc.) by the number of credits attempted. Grades earned in physical education and driver education are not included in either GPA.

THE EFFECT OF COURSE LOAD ON GPA

Counselors can advise students regarding the impact of an overload on weighted GPA. Students may wish to use the Pass/No Credit (see **Pass/No Credit P/NC**) or Audit (see **Audit/AT**) options in elective courses to avoid a negative impact on their weighted GPA; however, some colleges and universities discourage the use of Pass/No Credit or Audit options.

CREDIT FOR 7TH CREDIT-BEARING COURSE

A full-time student is defined as not less than five (5) clock hours of schoolwork under the direct supervision of: (i) teachers, or (ii) non-teaching personnel or volunteer personnel when engaging in non-teaching duties and supervision of students (Illinois School Code 105 ILCS 5/18-8.05).

District 214 expects every student to be a full-time student. Full-time students are enrolled in six credit bearing periods (2.75 units of credit) or an equivalent class schedule. If a student is planning to enroll in a seventh credit-bearing period, permission is required prior to enrollment. Students must complete a Request to Enroll in a Seventh Academic Course form and secure signatures of the parent/guardian, counselor, and principal/alternate director. A copy must be filed with the school registrar.

REQUIRED COURSE SUBSTITUTION

(Reference Policy 6:310)

In accordance with Board-approved procedures and upon the request and approval in writing of a student’s parent or guardian, a student may satisfy one or more high school course or graduation requirements by substitution for and successfully completing in place of the high school course or graduation requirement a related vocational or technical education course completely describes containing at least 50% of the content of the required course or graduation requirement for which it is substituted.

The following courses are approved for substitution:

May Substitute courses below for Sociology 1 (07710) and Sociology 2 (07720):

- EGHS - Cooperative Work Training 1 (06511/06512)
- EGHS - Interrelated Career Education 1 (06601/06602)

May Substitute courses below for Photography (01220)

- BGHS - Graphic Arts (06250) and Advanced Graphic Arts (06260)

CONSUMER EDUCATION REQUIREMENT

Students meet the consumer education graduation requirement by passing one of the following courses or combination of courses:

- Personal Finance (06210)
- Economics (07830)
- Consumer Education (59940)
- AP Economics (07930)

IMPORTANT CREDIT EXCEPTIONS

1. The following courses do not count toward the English graduation requirement.

- Acting 1 (03060)
- Acting 2 (03070)
- Acting 3 (03060)
- Acting 4 (03310)
- Advanced Multimedia Communications (09120)
- Advanced Multimedia Practicum (09480)
- Advanced Multimedia Production (09210)
- Advanced Multimedia Storytelling (09430)
- College Intro to Mass Communication (60410)
- College Summer Theater: Technical (66100)
- College Summer Theater: Production (66200)
- Introduction to Multimedia Communications (09000)
- Multimedia Academy (09490)
- Multimedia Practicum (09270)
- Multimedia Production (09200)
- Multimedia Storytelling (09290)
- Technical Theater 1 (03080)
- Yearbook 1 (03150)
- Yearbook 2 (03160)
- Yearbook 3 (03170)
- Yearbook 4 (03180)
- Yearbook 5 (03320)
- Yearbook 6 (03330)
- Yearbook 7 (03340)
- Yearbook 8 (03350)

2. The following courses do not count toward the Mathematics graduation requirement.

- Math 50 (04500)
- Math 51 (04510)
- Math 52 (04520)
- Math 53 (04530)
- Math 54 (04540)
- Math 55 (04550)

3. Community Resources
A maximum of 4 units of credit from Service Learning and similar courses may count toward graduation:

- Service Learning-70 hours (06580)
- Social Studies Practicum (07940)

4. Music Program
A maximum of 4 units of credit may count toward graduation.

5. Life and Career Planning (08980)
Course can be repeated @ 70 hours = 0.5 unit of elective credit.

ILLINOIS STATE BOARD OF HIGHER EDUCATION GRADUATION REQUIREMENTS

The chart below outlines the minimum state-required courses for students graduating in the year shown¹. Section 27-22.10 of the School Code allows coursework to count towards meeting the state-imposed graduation requirements listed below in cases where a student in seventh or eighth grade takes the required courses at the high school or his or her middle school, as prescribed under the law, and the local board of education adopts a policy pursuant to Section 27-22.10 (see Question 2).

Graduation Data	Mathematics	Writing ²	Language Arts	Science	Social Science	Electives
Total³	3 years	2 years	4 years	2 years	2 years	1 year
2016 and beyond (i.e., students entering ninth graders starting in school year 2012-13)	1 year must be Algebra I and 1 year must be a course that includes geometry content.	1 year must be an English course and 1 year may be provided as part of any course offered.	No content specified.	No content specified.	Must include 1 year of U.S. History or combination of U.S. History and American Government and 1 semester Civics	Includes art, music, foreign language or vocational education.

HIGH SCHOOL DISTRICT 214 GRADUATION REQUIREMENTS

Students must meet the following course and credit requirements to graduate. These course/credit requirements are defined by and include the district's learning goals and standards. Specific information about each requirement is available at each site. In order to receive a diploma from a District 214 high school, a student must:

Mathematics 3.0 credit units Including one unit of Algebra I and one unit of Geometry. ⁴	English 4.0 credit units No content specified. Meets State Requirement for Writing and Language Arts.	Science 2.0 credit units No content specified.	Social Science 2.0 credit units Must include one year of U.S. History and American Government and one semester Civics.	CTE or World Language 1.0 credit units In the career and Technical Education program or the World Language program (including American Sign Language).
Fine Arts Pass a course(s) that meet(s) the Fine Arts requirement.	Physical Education A minimum of 3-5 days of daily physical education is a required course for all students in each of four years of high school. The State also requires that students during high school take a minimum of 18 weeks (one semester) of health education. ⁵	Federal and State Pass an examination covering the federal and state constitutions, the Declaration of Independence, and flag etiquette.	Consumer Education Meet the Consumer Education Requirement (see Consumer Education Requirement).	D214 Enrollment Enroll in District 214 as a full-time (2.75 credits) student for at least one semester and earn a minimum of 2.75 District 214 credits. Academic Credit Earn a minimum of 21.0 units of academic credit.

1 This date assumes a student will graduate in four years.
 2 The legislative intent of this requirement is not to increase the number of units needed for graduation but rather to have schools incorporate content to meet the two-year writing-intensive requirement into other courses required for graduation, where appropriate.
 3 This represents the number of units of credit required at full implementation for the graduating class of 2012 and beyond (12 units, assuming a unit is equivalent to a year-long course). Additionally, physical education, while not a state graduation requirement is a required course for all students a minimum of 3-5 days a week in each of four years of high school (See ILCS 110.5/27-6 and 23 Ill. Adm. Code Section 1.425).
 4 Unless otherwise approved by an Associate Principal for Instruction or an Assistant Principal for Student Services.
 5 A minimum of 3-5 days of a physical education course is a required course for all students in each of four years of high school (see 105 ILCS 110, 105 ILSC 5/27-55/27-6 and 23 Ill. Adm. Code Section 1.425).
 6 Beginning with the 2020-2021 school year, students are required to complete a (1) Free Application for Federal Student Aid (FAFSA) with the U.S. Dept. of Education, (2) an application for State financial aid or (3) an Illinois State Board of Education (ISBE) waiver form indicating that the student understands what these aid opportunities are and has chosen not to file an application.
 7. Take the state-sponsored or in school SAT exam unless the student is exempt according to 105 ILSC 5/2-3.64.

GEOMETRY IN CONSTRUCTION

Students will experience geometry in construction through the integration of geometry content in a construction course. This program will allow students to apply traditional geometry concepts in a hands-on setting where they will apply mathematical concepts with a variety of activities and projects. This course meets the state and district math graduation requirement for geometry content.

SUBSTITUTIONS FOR PHYSICAL EDUCATION

(Reference Policy 6:310)

Students in grades 9 to 12, unless otherwise stated, may submit a written request to the Building Principal to be excused from physical education courses for reasons below. The Superintendent or designee shall maintain records showing that the criteria set forth in this policy were applied to the student's individual circumstances, as appropriate;

- Enrolling in a marching band program for credit;
- Enrolling in a Reserve Officer's Training Corps (ROTC) program sponsored by the district;
- Ongoing participation in an interscholastic athletic program (students in grades 9-12);
- Enrollment in academic classes that are required for admission to an institution of higher learning (student must be in the 11th or 12th grade);
 or
- Enrollment in academic classes required for graduation from high school, provided that failure to take such class will result in the student being unable to graduate (student must be in 11th or 12th grade). Attendance in Physical Education class will be excused for the entire semester during which students participate in athletic competitions. If an athletic season spans two semesters, students may request a waiver for only one of the semesters. Only students who have no study halls in their semester schedule are eligible to substitute a PE course. Under no circumstances shall these students be permitted to enroll in other classes in lieu of the waived Physical Education class. An associate principal or the assistant principal for student services shall verify students' participation or potential participation in said athletic programs. Non-participation on the athletic team will result in the loss of waiver privileges and will require students to return to their Physical Education class immediately in order to avoid a failing grade in required Physical Education class. In this case, students will have the opportunity to earn grades and credit based on their work and performance during the remainder of their attendance in the Physical Education class.

PASS/NO CREDIT (P/NC) AND AUDIT (AT) OPTION

Students may take the Pass/No Credit or audit in lieu of regular grading in elective courses. Students receiving a "P" grade will receive the appropriate course credit. No course credit is awarded for audit courses. Students are expected to discuss their reasons for taking the Pass/No Credit or audit option with their parents, counselor, and the teacher of

the course. Colleges and universities may or may not accept Pass/No Credit courses to meet admission requirements. The required forms for Pass/No Credit or audit grading options are available in each school's counseling office.

Guidelines

- Students must declare their intent to take the Pass/No Credit or Audit option before the first day of the seventh week of the semester.
- Students must be enrolled in at least six full-credit bearing courses, or an equivalent, under regular grading procedures to be eligible for the Pass/No Credit or Audit option (except during summer school). If a student drops the sixth credit-bearing course, the Pass/No Credit or Audit course reverts to normal grading.
- The Pass/No Credit or Audit option does not apply to specific core courses required for graduation.
- Students must meet all course prerequisites.
- The grading standards of the class apply, and students must meet the same minimum standards to pass as other students in the class.
- Either "P" (pass), "NC" (no credit), or "AT" (audit) are recorded on the student's report card and transcript.
- Grades "P", "NC" and "AT" are not used in computing grade point average. However, the "P" grade in a credit-bearing course does count toward earning academic credit.

GUIDELINES FOR REPEATING A COURSE

Repeating a Failed Course

If a student repeats and passes a previously failed course, the failing grade ("F" or "WF") will be replaced by "RE" (repeat) on the student's permanent record; the course title, new grade, and teacher of record will be recorded in the term that the course is repeated and passed; the student will receive the appropriate credit and grade points. If the student repeats the same course several times, all previous grades will be changed to "RE" when the student successfully passes the course.

The following guidelines apply to repeating a failed course:

- Repeating the same course (number and title) can only be completed without administrative permission through summer school, young adult program, alternative school or in credit recovery. The administration can give permission for students to repeat a class during the regular school day.
- If a student repeats a failed course with a course that has a different number, title, description, and/or level, he/she must complete a "Request to Repeat a Course" form. The student must work with his/her counselor to complete and submit it, before enrolling in the course, to the assistant/associate principal for student services who will initiate the review and instruction. No grade will be changed unless an approved form is on file with the student's counselor and the registrar.

Repeating a Passed Course for a Higher Grade

If a student repeats a course (same or alternative) for which he/she has already earned a passing grade and credit, the highest grade earned in that course and the teacher giving it are recorded in the term earned and the lower grade(s) is changed to “RE” (repeat).

The following additional guidelines apply to repeating previously passed courses:

1. The student must work with his/her counselor to complete the “Request to Repeat a Course” form and submit it, before enrolling in the course, to the assistant / associate principal for student services who will initiate the review and approval process. Repeating a passed course for a higher grade requires the final approval of the associate principal for instruction. No grade will be changed unless an approved form is on file with the student’s counselor and the registrar.

DEFINITIONS OF ACADEMIC MISCONDUCT

A. Scholastic Dishonesty

A breach of the standards of academic integrity including all forms of academic cheating (e.g., plagiarism, collusion, falsifying academic records) and any other act designed to give unfair academic advantage to the student.

B. Cheating

Any attempt to defraud, deceive, or mislead the teacher and/or school administration in arriving at an honest evaluation of learning. Cheating includes aiding other students in cheating, as well as the inappropriate use of technology that transmits data.

C. Plagiarism

A form of cheating that involves presenting as one’s own, the ideas or work of another. Plagiarism is not a question of intent. Any use of the content or style of another’s intellectual product without proper recognition of the source constitutes plagiarism.

D. Furnishing False Information

Writing an exam or term paper for another student; soliciting another person to take an exam or write a paper for one’s own class; submitting the same work in more than one course when doing so is prohibited; or representing oneself as another person.

E. Creating an Improper Disadvantage

Removing, defacing, hiding, or deliberately withholding library books electronic devices; other materials; contaminating laboratory sample, etc.

F. Theft/Damage of Intellectual Property

Sabotaging or stealing another person’s assignment, book, paper, notes, experiment, or project; improperly accessing or electronically interfering via computer or other means with the property of another person.

INTERNET SAFETY POLICY

(Policy 6:235)

The Board of Education of Township High School District No. 214 (“Board”) has adopted the following policy in accordance with the Children’s Internet Protection Act and the Neighborhood Children’s Internet Protection Act (P.L. 106-554).

Full details on this policy can be found at www.D214.org/District-Departments/D214-Student-Handbook.

SPECIAL ACADEMIC PROGRAMS

Young Adult Program (YAP)

District 214 offers a specialized evening program, located at the Forest View Educational Center (FVEC), designed to help young adults earn their high school diploma. The Young Adult Program (YAP) offers classes that run either Monday and Wednesday or Tuesday and Thursday. There are two classes each evening that start at 4:30 p.m. and 6:30 p.m.

This program is designed for students who are not able to attend day school and need to complete their high school requirements in the evening. In addition, YAP offers credit recovery for students who are currently enrolled in a District 214-day school. With the permission of their parents, guidance counselor, school administration and the YAP Coordinator, this program allows students to successfully complete high school graduation requirements.

In order to take classes at YAP, students:

- must be living within the attendance boundaries of High School District 214.
- must be enrolled at their District 214 home school.
- must be at least 16 years of age and have a minimum of 10 credits if attending YAP only.
- must be 15 years of age with no credit minimum if attending day school and YAP.

Vanguard School (VNGD)

In 1997, District 214 established this unique learning environment for non-special education students in grade 9, 4th quarter who are not currently accumulating academic credit at the expected rate and who wish to earn a District 214 diploma. Vanguard School is a pioneering effort that provides a non-traditional education where a team of teachers implement new instructional techniques, uses innovative curriculum, and utilizes community resources to meet the academic needs and career aspirations of students. Students spend half of the school day providing service in the community and half of the school day in academic endeavors. Referrals are made through Student Services screening teams at each high school. Admission is the result of collaboration among school representatives, Vanguard School staff, the student, and his/her parent(s)/guardian(s).

Vanguard is a school of personalized learning, serving students from each of the 6 comprehensive high schools. Vanguard offers a different academic environment, allowing students to work more closely with teachers. Students work on core content classes at their own pace,

often allowing for more accelerated credit acquisition. Students work closely with a “team leader” who helps guide academic choices and experiential opportunities. Through social-emotional support, we build positive relationships that help students find their pathway to success.

As part of the District 214 school community, Vanguard remains connected to the mission and goals of the district. Staff members implement innovative learning techniques and work to build student skills in the core curriculum. Many of the classroom activities use experiential learning strategies and a hands-on approach that fosters student engagement. Our unique connection beyond the classroom utilizes community resources to meet the post-high school goals of the students. Vanguard offers several weekly community service and/or career-focused opportunities to help students prepare to be engaged citizens, ready for the career path of their choice.

The Academy at Forest View (TAFV)

The Academy at Forest View serves students with Special Education eligibility whose social-emotional and academic needs require intensive supports in a therapeutic setting. Students are referred to The Academy at Forest View through the IEP process. The Academy at Forest View supports instruction towards high school graduation credits for students needing a smaller setting with supports for social-emotional learning. As students progress academically and demonstrate growth towards managing their needs, teams plan for classes and extracurricular opportunities within our District 214 comprehensive high schools. Through career exploration activities, students are encouraged to identify their post-school interests and engage in experiential learning with our community partners. The Academy at Forest View serves the District 214 community to provide a highly structured and nurturing learning environment in which students actively grow towards their aspirations.

District 214 Life and Career Planning

District 214 is committed to preparing high school students for success in the 21st century. That preparation includes a solid academic core of communication and math skills, an understanding of the natural and social world, an ability to access information for lifelong learning, and the skills for problem solving and decision-making. One of the most important and difficult decisions that our young people face is the choice of a career and life work. To be able to make that important decision a student must be aware of the vast number of careers available and have access to information about each; 2. understand his/her skills and interests and how those match career fields; 3. have opportunities to explore possible career fields; 4. build the requisite skills and knowledge through a coherent sequence of courses and post-secondary education; and 5. gain valuable workplace skills and “try on” careers to see if they fit through work experience. The district’s career planning guide describes the connection between career interests and course choices. Students are encouraged to review this guide when planning their course selection and to take advantage of the many opportunities for career exploration

provided by their school. Students and families may use the Naviance computer program, which is designed to help with career explorations and the college searches. The Naviance program allows communication between what is being covered in the guidance sessions at school and to reinforce this communication at home. This program also serves as an additional communication tool from counselors to families reminding students of upcoming sessions, and correspondence through school Gmail accounts. The District 214 life program at Forest View serves students pursuing transition services beyond their high school graduation requirements. In recognition of the variety of post-school plans our students have for their future, our goal is to propel students towards their future career, educational, and life-ready plans. Learning, Independence, Fulfillment, and Enrichment captures the self-determination approach to providing authentic experiences for our students. Classroom programming includes functional academics, social skills, executive functioning, and learning independent living skills. Students participate in work-based learning to develop vocational skills and interests. Community based learning helps develop student skills needed to access resources to promote independence in the community. The IEP Transition Plan drives team planning for coordination for services beyond school.

ENGLISH LANGUAGE LEARNERS PROGRAM (ELL)

(Policy 6:160)

The District offers opportunities for resident English Language Learners to develop high levels of academic attainment in English and to meet the same academic content and student academic achievement standards that all children are expected to attain. The Superintendent or designee shall develop and maintain a program for English Language Learners that will:

1. Assist all English Language Learners to achieve English proficiency, facilitate effective communication in English, and encourage their full participation in school activities and programs as well as promote participation by the parents/guardians of English Language Learners.
2. Appropriately identify students with limited English proficiency.
3. Comply with State law regarding the Transitional Bilingual Educational Program and Transitional Program of Instruction.
4. Comply with any applicable State and federal requirements for the receipt of grant money for English Language Learners and programs to service them.
5. Determine the appropriate instructional program and environment for English Language Learners.
6. Annually assess the English proficiency of English Language Learners and monitor their progress in order to determine their readiness for a mainstream classroom environment.
7. Include English Language Learners, to the extent required by State and Federal law, in the District’s student assessment program to measure their achievement in reading/language arts and mathematics.

8. Provide information to the parents/guardians of English Language Learners about:

- I) the reasons for their child’s identification,
- II) their child’s level of English proficiency,
- III) the method of instruction to be used,
- IV) how the program will meet their child’s needs,
- V) specific exit requirements of the program,
- VI) how the program will meet their child’s individualized education program, if applicable, and 7) information on parent/guardian rights.

Parents/guardians will be regularly apprised of their child’s progress and involvement will be encouraged.

TALENT DEVELOPMENT PROGRAM (TDP)

The Talent Development Program (TDP) provides a district wide network of support for high achieving, highly motivated students looking to engage with their peers through achievement activities that extend their academic experiences beyond the school day. Students enrolling in the District 214 advanced placement program during their freshman and/or sophomore year will be invited to participate as a member of TDP. Enrichment activities serve as a resource for families seeking strategies to support the college and career planning, in addition to the social emotional needs of their student. TDP offers students life and career planning opportunities ranging from general career awareness activities to extensive summer internships in specific careers (e.g., journalism, computer operations, financial services, engineering, veterinary medicine, law, medical and health careers, business, and architecture). There are no courses in the District 214 curriculum that are designated exclusively for TDP students. A full range of Advanced Placement courses provide a rigorous curriculum for TDP students. It is essential that each student in TDP work closely with his/her counselor when selecting courses. Parents should be closely involved in this process.

Talent Development Program offers high-achieving, highly motivated students opportunities to gain new skills and enhance existing talents through special programs.

Students taking Advanced Placement courses are automatically enrolled in the program. Students who wish to challenge themselves academically and personally also can participate. TDP empowers students to position themselves for success beyond the classroom.

The Talent Development Program includes the TDP Summer Enrichment Series and the TDP Student Leadership Committee.

TDP Summer Enrichment Series

TDP Summer Enrichment is a District-wide program comprising innovative weeklong courses that reach beyond traditional classroom lessons. These non-credit seminars cover a wide array of areas, including graphic arts, forensic science, culinary arts, automotive care, creative writing and more. An all-District summer musical also is part of the TDP Summer Enrichment series.

STUDENT TESTING AND ASSESSMENT PROGRAM

(Reference Policy 6:340)

The District student assessment program provides information for determining individual student achievement and instructional needs; curriculum and instruction effectiveness; and school performance measured against District student learning objectives and statewide norms.

The Superintendent or designee shall manage the student assessment program that, at a minimum:

1. Uses the State assessment system and any other appropriate assessment methods and instruments, including norm and criterion-referenced achievement tests, aptitude tests, proficiency tests, and teacher-developed tests.
2. Tests the grades and subjects according to the schedule required by the State assessment system. The district’s assessment program may include testing students in grades not required by State law to be tested.
3. Tracks the achievement of all students.
4. Provides each student and his or her parents/custodians with an evaluation of the student’s learning on the basis of test and assessment results. See policy 6:280, Grading and Promotion.
5. Utilizes professional testing practices.

Overall student assessment data on tests required by State law will be aggregated by the District and reported, along with other information, on the District’s annual report card. Board policy 7:340, Student Records, and its implementing procedures govern recordkeeping and access issues.

This is an articulated series of standardized assessments administered by District 214, covering the subject areas of English, reading, writing, mathematics, and science:

8th Grade (Fall) PSAT 8/9
9th Grade (Spring) PSAT 8/9
10th Grade (Spring) PSAT 10
11th Grade (Spring) SAT
Illinois Science Assessment (Spring)

PROCEDURE FOR TRANSFERRING CREDIT

Foreign Transfer Students: Credit for English Courses

The administration grants transfer credit for English courses taken in a foreign country toward meeting the District 214 English/Language Arts graduation requirement based on the presentation of an official transcript and in accordance with the following guidelines:

1. If a student’s performance on the ESL placement assessment battery places the student in mainstream English/Language Arts courses at a level of Introduction to Literature and Writing or higher, the administration may grant credit toward meeting the English/Language Arts graduation requirement for English courses taken in foreign countries depending on an analysis of the student’s transcript(s), ESL placement test results, and performance in the first term English course. A maximum of 1.0 unit of English credit toward meeting the English/Language

Arts graduation requirement for each preceding year of high school (e.g., a transfer student placed as a first semester junior) is awarded a maximum of 2.0 units of transfer credit toward meeting the English/Language Arts graduation requirements.

2. If a student is placed in the ESL program, the administration may grant credit toward meeting the English/Language Arts graduation requirement based on ESL placement, transcript analysis, and performance in his/her entry ESL courses.
 - a. A maximum of 1.0 unit of ESL credit toward meeting the English Language Arts graduation requirement is awarded to the student placed in ESL 2.
 - b. A maximum of 2.0 units of ESL credit toward meeting the English/Language Arts graduation requirement is awarded to the student placed in ESL 3.
3. No credit toward meeting the English/Language Arts graduation requirement is awarded to a student placed in Introduction to ESL 1 (08001/08002), Introduction to ESL 1 Reading (08011/08012), ESL 1 Strategies (08021/08022), and ESL 1 (08031/08032). If the official foreign transcript shows that the student took an English course(s), the student can earn elective credit toward the total number of units needed for graduation. A maximum of 1.0 unit of ESL elective credit toward the total number of credits needed for graduation is awarded to the student placed in course number 08001/08002, 08011/08012, 08021/08022, and 08031/08032 unless approved by the Assistant Principal of Student Services or designee.

SEAL OF BILITERACY

District 214 students have the opportunity to be recognized by the State of Illinois for earning proficiency in English and one additional language. The Illinois State Board of Education’s Seal of Biliteracy program will place an official seal on diplomas and confer official recognition on transcripts of those students who qualify.

The Seal of Biliteracy is awarded to those whose proficiency level is equivalent to the Intermediate High scale set by the American Council on the Teaching of Foreign Languages. To qualify for the Seal of Biliteracy, seniors must:

- Earn a minimum composite score of 21 on an official administration of the ACT,
..... or
- Reach the ACT college readiness benchmark of 18 for the English subject area test,
..... or
- Earn a minimum score of 540 on the Evidenced Based Reading and Writing portion of an official administration of the SAT,
..... or

- Earn a minimum overall composite score of 4.8 on the ACCESS for ELLs exam,
..... and
- Have earned a 4 or a 5 on the AP language exam,
..... or
- Earn a minimum of an I-5 on all components of ACTFL’s Assessment of Performance toward Proficiency in Languages (AAPPL) exam, a minimum of Intermediate High on all components of AVANT’s STAMP 4S exam, or a minimum of B1 on the Standard Test of Bulgarian as a Foreign Language. The following languages can be assessed with the AAPPL exam: Arabic, Chinese (Mandarin), French, German, Hindi, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Thai. The AVANT STAMP 4S assessment is offered for Hebrew and Polish. The Standard Test of Bulgarian as a Foreign Language is an online assessment. For more information about this assessment, please call the number listed below.

The cost of the AAPPL and STAMP 4S assessments will be \$25, which includes an administrative fee. The Standard Test of Bulgarian as a Foreign Language will be offered through the Consulate General of the Republic of Bulgaria and will cost \$150. For more information about this assessment, please contact Janice Aponte at janice.aponte@d214.org.

AAPPL and STAMP 4S testing in the fall of 2020 will be for seniors only.

For more information, contact Janice Aponte, the Director of Language Development, at (847)718-7836.

CO-CURRICULAR ACTIVITIES

(Policy 6:190)

Co-curricular activities are school-sponsored programs for which some or all of the activities are outside the instructional day. They do not include field trips, homework, or occasional work required outside the school day for a scheduled class.

Academic Criteria for Participation

The Superintendent or designee must approve an activity in order for it to be considered a District-sponsored co-curricular activity, using the following criteria:

1. The activity will contribute to the leadership abilities, social well-being, self-realization, good citizenship, or general growth of student-participants.
2. Fees assessed students are reasonable and do not exceed the actual cost of operation.
3. The District has sufficient financial resources for the activity.
4. Requests from students.
5. The activity will be supervised by a school-approved sponsor.

Non-school sponsored student groups are governed by School Board policy, 7:330, Student Use of Buildings - Equal Access.

Academic Criteria for Participation

Selection of members or participants is at the discretion of the teachers, sponsors, or coaches, provided that the selection criteria conform to the District’s policies and procedures. Participation in co-curricular activities is dependent upon course selection and successful progress in those courses. In order to be eligible to participate in any school-sponsored or school-supported athletic or co-curricular activity, a student must satisfy the Illinois High School Association’s scholastic standing requirements. Any student-participant failing to meet these academic criteria shall be suspended from the activity until the specified academic criteria are met.

NO PASS/NO PLAY AND RECORD OF ACTIVITIES

The School Code requires high school districts to establish and enforce a No Pass/No Play Policy that sets an academic standard for participation in any school-sponsored or school-supported athletic and co-curricular activity (105 ILCS 5/10-20.30).

No Pass/No Play Policy (Reference Policy 7:240)

The Superintendent or designee, using input from coaches and sponsors of co-curricular activities, shall develop a conduct code for all participants in co-curricular activities consistent with Board of Education policy and the rules adopted by any association in which the School District maintains a membership. The conduct code shall: (1) require participants in co-curricular activities to conduct themselves at all times, including after school and on days when school is not in session, and whether on and off school property, as good citizens and exemplars of their school, (2) notify participants that failure to abide by it could result in removal from the activity, (3) emphasize hazing and bullying activities are strictly prohibited. The conduct code shall be reviewed by the Building Principal periodically at his or her discretion and presented to the Board.

All coaches and sponsors of co-curricular activities shall annually review the rules of conduct with participants and provide participants with a copy. In addition, coaches and sponsors of interscholastic athletic programs shall provide instruction on steroid abuse prevention to students in grades 9 through 12 participating in these programs.

The Superintendent shall develop procedures to implement this policy.

ILLINOIS HIGH SCHOOL ASSOCIATION (IHSA) SCHOLASTIC STANDING REQUIREMENTS (IHSA Bylaw 3.020)

3.021 They shall be doing passing work in at least twenty-five (25) credit hours of high school work per week.

3.022 They shall, unless they are entering high school for the first time, have credit on the school records for twenty-five (25) credit hours of high school work for the previous semester. Such work shall have been completed in the semester for which credit is granted or in a recognized summer school program which has been approved by the Board of Education and for which graduation credit is received.

3.023 They shall not have graduated from any four-year high school or its equivalent.

3.024 Passing work shall be defined as work of such a grade that if on any given date a student would transfer to another school, passing grades for the course would immediately be certified on the student’s transcript to the school to which the student transfers.

3.025 Work taken in junior college, college, university, or by correspondence may be accepted toward meeting the requirements of this Section provided it is granted credit toward graduation from high school by the local Board of Education.

No Pass/No Play Implementation Procedures

The following administrative procedures were implemented throughout the district.

1. Based on the integration of the No Pass/No Play provisions of the School Code, Board Policy 4.5, the IHSA eligibility criteria, and the District 214 Cocurricular Code, the district’s No Pass/No Play policy will apply to each performing/competing student group listed below.

No Pass/No Play, Eligibility, and Co-curricular Code Activities/Athletics

Activities

- Bass Fishing Team
- Chess Team
- Class Board Officers (Student Council)
- Competitive Marching Band
- Cricket
- Debate Team
- Debate Team (Forensics)
- DECA
- Drama and Group Interpretation
- Drill Team
- Fall, Winter & Spring Plays
- FCCLA
- IHSA Journalism
- Jazz Band* Interscholastic Competition
- Marching Band Individual Competition
- Math Team
- Musical
- Orchesis (Performance)
- Robotics Team
- Scholastic Bowl Team
- School Art/Performance Play
- Science Olympiad Team
- Show Choir Interscholastic Competition
- Sideline Cheerleading
- Speech Team/Individual Events
- Student Congress Team
- Student Council Officers

*Interscholastic Competition or Non-Graded Performance

Athletics

- Badminton Girls
- Baseball Boys
- Basketball Boys and Girls
- Bowling Girls
- Competitive Cheerleading
- Competitive Dance
- Cross-Country Boys and Girls
- Football Boys
- Golf Boys and Girls
- Gymnastics Boys and Girls
- Lacrosse Boys and Girls
- Soccer Boys and Girls
- Softball Girls
- Swimming and Diving Boys and Girls
- Tennis Boys and Girls
- Track and Field Boys and Girls
- Volleyball Boys and Girls
- Water Polo Boys and Girls
- Wrestling Boys

*Including any new or additional activities run under the District’s auspices.

2. The eligibility of all students involved in one or more of the activities listed above are monitored in terms of the IHSA eligibility standards and the district’s current eligibility system.
3. Coaches and sponsors will accurately monitor the eligibility of each participating student in accordance with Board Policy 7:240.
4. The co-curricular activities listed above include academic courses that are scheduled as classes during the regularly scheduled school day and co-curricular activities consisting of performances/competitions occurring outside the master schedule of approved courses.

Students have a property right to participate in the graded component(s) of such activities. The graded components are, therefore, not subject to the provisions of the No Pass/No Play policy or the Co-curricular Code. However, student participation in the non-graded co-curricular component of such activities is a privilege and is, therefore, subject to the provisions of the No Pass/No Play policy and the Co-curricular Code. Coaches/Sponsors of the integrated academic and co-curricular activities will identify and report to the assistant principal for student activities (APSA) at the beginning of the school year those co-curricular activities that are not graded and that are therefore, subject to the provisions of No Pass/No Play, eligibility, and co- curricular code policies.

Record of Activities

The student record of activities is separate from the student’s transcript. Only activities covered by the No Pass/No Play policy, monitored by the eligibility system and subject to the provisions of the co-curricular code, will be recorded on the student’s permanent record. The district/school is not responsible for documenting, in any way, a student’s participation in any other activities.

SUMMER SCHOOL

(Reference Policy 6:310)

A summer school program will be available to students residing within District 214 including eighth grade graduates from the middle/junior high schools within the high school district. Out-of-district students who pay appropriate fees will be accepted on a space available basis. The summer school program will be approved by the Board and will be substantially financially self-supporting.

Summer school is an important supplement to, or an extension or expansion of, the regular school year. The district provides a two- semester summer school program. Registration is held in the spring (2nd semester). Students can obtain more detailed information about summer school and summer school registration from each school’s counseling office in February.

In accordance with the provisions of the district’s student remediation policy, any student, including an incoming freshman, who does not meet district achievement standards, may be required to attend a summer school program.

Units of credit earned in summer school are separate from units earned during a regular school year semester when recorded on the student’s transcript. Summer school grades are included in the student’s grade point average. There are no summer honor rolls.

Repeating a failed course can only be completed without administrative permission through summer school, young adult program, alternative school or in credit recovery. The administration can give permission for students to repeat a class during the regular school day.



HIGH SCHOOL DISTRICT 214

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7600 | www.d214.org

DISTRICT 214 COMMUNITY EDUCATION

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7700 | www.ce.d214.org

DISTRICT 214 EDUCATION FOUNDATION

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7700 | www.214foundation.org

BUFFALO GROVE HIGH SCHOOL

1100 West Dundee Road
Buffalo Grove, IL 60089
847-718-4000 | bghs.d214.org

ELK GROVE HIGH SCHOOL

500 West Elk Grove Boulevard
Elk Grove Village, IL 60007
847-718-4400 | eghs.d214.org

JOHN HERSEY HIGH SCHOOL

1900 East Thomas Street
Arlington Heights, IL 60004
847-718-4800 | jhhs.d214.org

LIFE TRANSITION PROGRAM

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7772 | www.d214.org/life

NEWCOMER CENTER

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7937 | nc.d214.org

PROSPECT HIGH SCHOOL

801 West Kensington Road
Mount Prospect, IL 60056
847-718-5200 | phs.d214.org

ROLLING MEADOWS HIGH SCHOOL

2901 West Central Road
Rolling Meadows, IL 60008
847-718-5600 | rmhs.d214.org

THE ACADEMY AT FOREST VIEW

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7772 | theacademy.d214.org

VANGUARD SCHOOL

2121 South Goebbert Road
Arlington Heights, IL 60005
847-718-7870 | vanguard.d214.org

WHEELING HIGH SCHOOL

900 South Elmhurst Road
Wheeling, IL 60090
847-718-7000 | whs.d214.org

YOUNG ADULT PROGRAM

2901 West Central Road
Rolling Meadows, IL 60008
847-718-5788
