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This document can be found online in Spanish, Arabic, Karen, and Burmese.
The mission of Rockford Public Schools is to collaboratively engage all students in a world-class education. Academies are small learning communities that provide real-world experiences with local businesses and professionals, linking schoolwork and the workplace. Regular coursework, including Core Curriculum, Global Electives, and College and Career Pathways, is presented within the context of the academy’s focus. Academies were created to provide small learning communities within each high school to help ensure that graduating students are better prepared for college and the workforce.

What is a College & Career Academy?

The mission of Rockford Public Schools is to collaboratively engage all students in a world-class education. Academies are small learning communities that provide real-world experiences with local businesses and professionals, linking schoolwork and the workplace. Regular coursework, including Core Curriculum, Global Electives, and College and Career Pathways, is presented within the context of the academy’s focus. Academies were created to provide small learning communities within each high school to help ensure that graduating students are better prepared for college and the workforce.

How to Choose an Academy and Pathway

Identify your interests to choose an academy for you,

I enjoy:
- creative writing
- brainstorming new ideas
- computer science
- learning a new language
- drawing
- visual arts

Step 1. Identify your interests.

Identifying your personal interests (hobbies and areas of study) will guide you to the best academy for you, making school and your future career motivating and enjoyable!

BAMIT (Business, Arts, Modern World Languages and Information Technology)
- Business Management
- Accounting
- Graphics / Media Production
- Modern World Languages and Communications
- Information Technology
- Studio Art

EMITT (Engineering, Manufacturing, Industrial and Trades Technology)
- Architecture and Construction
- Engineering
- Manufacturing Operations
- Skilled Trades
- Transportation Technology

Are there other courses you still want to take?

Language Arts (courses such as Creative Writing, Journalism, and Yearbook)
Science (courses such as AP Chemistry, Environmental Science, and Zoology)
Social Studies (courses such as African American History, Criminal Law, Psychology, and World Affairs)
Step 2. Review your career pathway options.
Read through the career pathway descriptions in this guidebook and determine which best fits your interests!

Step 3. Select your electives.
In addition to selecting an academy and pathway, most students have room in their schedule for an elective or two!

making school fun, motivating, and enjoyable!

I enjoy:
- helping others
- working with children
- playing a musical instrument
- performing on (or behind) stage

I enjoy:
- science
- understanding how the human body works
- caring for others

HPS (Human and Public Services) may be the academy for you! Career pathways in the HPS academy include:
- Education and Child Development
- Land and Resource Management
- Human Services
- Law and Public Safety
- Performance Production
- Performing Arts

HS (Health Sciences) may be the academy for you! Career pathways in the HS academy include:
- Health and Wellness
- Health Care Associates
- Health and Medical Sciences

Electives can be taken across all academies!

World Languages (courses such as French and Spanish)

Fine Arts (courses such as Studio Art, Concert Band, Chorus, Acting, and Intro to Tech Theater)

Career and Technical Education (courses such as Child Development, Drafting/CAD, Entrepreneurship, Information Processing, and Student Leadership)
BAMIT  ACCOUNTING/FINANCE PATHWAY

Using systems and skills to keep the financial records of a business or individual

POTENTIAL CAREERS IN ACCOUNTING/FINANCE

Abstractor  Commodities representative  Underwriter
Banker  Accountant  Actuary
Bill and account collector  Budget analyst  Controller
Economist  Credit analyst  Debt counselor
Manager  Financial analyst  Financial planner
Auditor  Fund raiser  Insurance broker
Tax examiner  Loan Officer  Non-profit manager
Title researcher and examiner  Treasurer  Trust officer

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9  Freshman Seminar (s)
    Semester elective (s)
10  Business & Technology Concepts
11  Accounting I
12  Accounting II
    AP Statistics
    AP Microeconomics

(s) = semester

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate in Applied Science in Accounting
Rock Valley College

Bachelor’s Degree
Bachelor of Science in Accountancy
Northern Illinois University

Master’s Degree
Master of Accounting Science
Northern Illinois University
Planning, organizing, directing, and controlling business operations. Those who work in this field have to use a broad range of ideas and practices to maintain and grow their business through the management of materials, equipment, workers and other financial resources.

**POTENTIAL CAREERS IN BUSINESS**

- Advertising sales person
- Corporate trainer
- Entrepreneur
- Human resources manager
- Compliance officer
- Insurance agent
- Business consultant
- E-commerce analyst
- Facilities manager
- Business operations manager
- Financial advisor
- Management analyst

**HIGH SCHOOL PATHWAY COURSES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s)</td>
</tr>
<tr>
<td></td>
<td>Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>Business &amp; Technology Concepts</td>
</tr>
<tr>
<td>11</td>
<td>Business &amp; Personal Law</td>
</tr>
<tr>
<td></td>
<td>Virtual Enterprise I</td>
</tr>
<tr>
<td>12</td>
<td>Business &amp; Personal Law</td>
</tr>
<tr>
<td></td>
<td>Virtual Enterprise II</td>
</tr>
<tr>
<td></td>
<td>AP Statistics</td>
</tr>
<tr>
<td></td>
<td>AP Microeconomics</td>
</tr>
</tbody>
</table>

(s) = semester

**EXAMPLES OF LOCAL POST-SECONDARY DEGREES**

**Associate’s Degree**
Associate in Applied Science in Business Administration
Rock Valley College

**Bachelor’s Degree**
Bachelor of Science in Business Administration
Rockford University, Northern Illinois University

**Master’s Degree**
Master of Business Administration
Rockford University, Northern Illinois University
BAMIT GRAPHIC DESIGN PATHWAY

Creating visual concepts to communicate ideas that inspire, inform, or captivate consumers

POTENTIAL CAREERS IN GRAPHIC DESIGN

| Media specialist                              | Paper salesperson               | Web page designer               |
| Production coordinator                       | Production manager              | Animator                        |
| Web architect/designer                       | Lithographer                   | Graphic artist                  |
| Desktop publishing specialist                 | Pre-production technician       | Marketing specialist            |
| Printing equipment operator                  | Graphics equipment operator     |                                |
| Computer typographer                         | Plate maker                    |                                |

HIGH SCHOOL PATHWAY COURSES

Grade  | Essential Pathway Courses (select one each year)

9      | Freshman Seminar (s)
| Semester elective (s)

10     | Graphic Design I
| Intro to Photography (s)
| Intro to Journalism (s)
| Intro to Desktop Publishing (s)

11     | Graphic Design II
| Newspaper
| Media Production I
| Yearbook
| Web Design

12     | Graphic Design III
| Newspaper
| Web Design
| Yearbook
| Media Production II (to be added)

(s) = semester

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate in Applied Science in Graphic Arts Technology
Rock Valley College

Bachelor’s Degree
Bachelor of Arts Degree in Graphic Design
Northern Illinois University, Judson University

Master’s Degree
Master of Arts in Art (Studio Art)
Northern Illinois University
INFORMATION TECHNOLOGY PATHWAY

Designing, developing, applying, implementing, supporting or managing computer-based information systems

POTENTIAL CAREERS IN INFORMATION TECHNOLOGY

| Database administrator | Network security analyst | User support specialist |
| Data systems designer | PC support specialist | Virtual reality specialist |
| E-business specialist | Programmer | Web developer |
| Game developer | Software applications specialist |
| Information technology engineer | Systems administrator |
| Network administrator | Telecommunications network technician |

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
--- | ---
9 | Freshman Seminar (s)
   | Semester elective (s)
10 | Business & Technology Concepts
11 | Advanced Computer Concepts and Applications
   | CISCO I
   | Web Programming and Design*
12 | Information Processing
   | CISCO II
   | AP Computer Science
   | Web Programming and Design
   | (s) = semester
   | * = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree

Associate in Applied Science in Computers and Information Systems
Rock Valley College, Rasmussen College

Bachelor's Degree

Bachelor of Science in Management Information Systems
Northern Illinois University

Master's Degree

Master of Science in Management Information Systems
Northern Illinois University
BAMIT MODERN WORLD LANGUAGES AND COMMUNICATIONS PATHWAY

Exchanging information among individuals or groups through written documents, spoken word, or behaviors to increase awareness and understanding

POTENTIAL CAREERS IN MODERN WORLD LANGUAGES AND COMMUNICATIONS

International economic developer  Teacher of world languages  Customer service manager
International health care worker  Travel agent  Communication specialist
International land developer  Translator  Public relations
International tax lawyer  Interpreter  Consultant

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9  Freshman Seminar (s)
    Semester elective (s)
10  Speech Communication  Spanish I/II/III
    French I/II  Sign Language I/II (East only)
11  Spanish II/III/IV  French II/III
    Sign Language II/III (East only)
12  Spanish III/IV  French III/IV
    AP Spanish  AP French
    Sign Language III/IV (East only)          (s) = semester

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate’s of Arts Degree—Interdisciplinary Humanities & Fine Arts Concentration
Rock Valley College

Bachelor’s Degree
Bachelor of Arts Degree—Modern & Classical Languages
Rockford University, Northern Illinois University

Master’s Degree
Master of Arts in Foreign Languages
Northern Illinois University
Creating visual arts, painting, photography, printmaking, sculpture, film/video, and more

**POTENTIAL CAREERS IN STUDIO ARTS**

<table>
<thead>
<tr>
<th>Art director</th>
<th>Curator</th>
<th>Illustrator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artist</td>
<td>Gallery manager</td>
<td>Interior designer</td>
</tr>
<tr>
<td>Commercial artist</td>
<td>Fashion designer</td>
<td>Printmaker</td>
</tr>
<tr>
<td>Commercial photographer</td>
<td>Fashion illustrator</td>
<td></td>
</tr>
<tr>
<td>Computer animator</td>
<td>Graphic designer</td>
<td></td>
</tr>
</tbody>
</table>

**HIGH SCHOOL PATHWAY COURSES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s)</td>
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<tr>
<td></td>
<td>Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>Studio Art I</td>
</tr>
<tr>
<td>11</td>
<td>2-D Studio Art II</td>
</tr>
<tr>
<td></td>
<td>3-D Sculpture I</td>
</tr>
<tr>
<td>12</td>
<td>2-D Studio Art III</td>
</tr>
<tr>
<td></td>
<td>AP Studio Art: 2-D Design</td>
</tr>
<tr>
<td></td>
<td>3-D Sculpture II</td>
</tr>
<tr>
<td></td>
<td>AP Studio Art: 3-D Design</td>
</tr>
<tr>
<td></td>
<td>AP Studio Art: Drawing</td>
</tr>
</tbody>
</table>

(s) = semester

**EXAMPLES OF LOCAL POST-SECONDARY DEGREES**

**Associate's Degree**
Assocate in Arts, Concentration in Studio Art
Rock Valley College

**Bachelor's Degree**
Bachelor of Fine Arts in Studio Art
Rockford University, Northern Illinois University

**Master's Degree**
Master of Fine Arts in Studio Art
Northern Illinois University
ARCHITECTURE AND CONSTRUCTION PATHWAY

(EAST, GUILFORD, AND JEFFERSON ONLY)
Designing, planning, managing, building, and maintaining the built environment

POTENTIAL CAREERS IN ARCHITECTURE AND CONSTRUCTION

- Architect
- Civil engineer
- Contractor
- Drafter
- Electrician
- Equipment/material manager
- Interior designer
- Painter
- Project estimator
- Roofer
- Sheet metal worker
- Carpenter
- Construction foreman/manager
- Demolition engineer
- Drywall installer
- Electronic systems technician
- General contractor/builder
- HVAC mechanic
- Project inspector
- Safety director
- Tile/marble setter

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
--- | ---
9 | Freshman Seminar (s)
   | Semester elective (s)
10 | Introduction to Industrial Technology & Engineering
   | Introduction to Construction *(East and Guilford only)*
   | Orientation to Drafting *(Jefferson only)*
11 | Introduction to Construction *(East and Guilford only)*
   | Construction I *(East and Guilford only)*
   | Architectural Drafting/CAD I *(Jefferson only)*
12 | Construction II *(East and Guilford only)*
   | Architectural Drafting/CAD II *(Jefferson only)*
   | AP Physics 1
   | AP Physics 2

*(s) = semester*

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

**Associate's Degree**
Associate in Applied Science Degree in Building Construction Management, Rock Valley College

**Bachelor's Degree**
Bachelor of Arts Degree in Architecture, Judson University

**Master's Degree**
Master of Architecture, Judson University
Designing, building, and maintaining structures, devices, systems, materials, and processes through a combination of scientific, economic, social, and practical knowledge and skills in order to solve problems to improve the world around us.

POTENTIAL CAREERS IN ENGINEERING

<table>
<thead>
<tr>
<th>Aerospace engineer</th>
<th>CAD technician</th>
<th>Geothermal engineer</th>
<th>Structural engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural engineer</td>
<td>Civil engineer</td>
<td>Math teacher</td>
<td>Survey technician</td>
</tr>
<tr>
<td>Analytical chemist</td>
<td>Computer programmer</td>
<td>Metallurgist</td>
<td>Systems engineer</td>
</tr>
<tr>
<td>Architectural engineer</td>
<td>Ecologist</td>
<td>Quality engineer</td>
<td>Electronics technician</td>
</tr>
<tr>
<td>Astrophysicist</td>
<td>Electrical engineer</td>
<td>Software engineer</td>
<td>Engineering technician</td>
</tr>
<tr>
<td>Biomedical engineer</td>
<td>Geologist</td>
<td>Statistician</td>
<td>Robotics engineer</td>
</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

Grade  | Essential Pathway Courses (select one each year)
--- | ---
9  | Freshman Seminar (s)
   | Semester elective (s)
10 | Intro to Engineering Design *(East, Auburn and Guilford only)*
11 | AP Calculus  
   | AP Physics  
   | AP Chemistry  
   | AP Biology  
   | Principals of Engineering *(East, Auburn and Guilford only)*
12 | AP Calculus  
   | AP Physics  
   | Computer Aided Design*  
   | Civil Engineering & Architecture *(East only)*  
   | Environmental Sustainability *(Guilford only)*  
   | Digital Electronics *(Auburn only)*

*(s) = semester  
* = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

**Associate’s Degree**  
Associate in Engineering Science, Rock Valley College

**Bachelor’s Degree**  
Bachelor of Science in Mechanical Engineering, Northern Illinois University

**Master’s Degree**  
Master of Science in Electrical Engineering, Northern Illinois University
EMITT MANUFACTURING OPERATIONS PATHWAY

Producing finished goods from raw materials, components, or parts using machinery and workers in order to meet customer’ expectations

POTENTIAL CAREERS IN MANUFACTURING OPERATIONS

<table>
<thead>
<tr>
<th>Role</th>
<th>Essential Pathway Courses</th>
<th>Certifications</th>
<th>Associate’s Degree</th>
<th>Bachelor’s Degree</th>
<th>Master’s Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assembler</td>
<td>Industrial machinery mechanic</td>
<td>Manufacturing Engineering Technology Certificates, Rock Valley College</td>
<td>Associate in Applied Science Degree in Manufacturing Engineering Technology, Rock Valley College</td>
<td>Bachelor of Science in Technology (Manufacturing Engineering Technology), Northern Illinois University</td>
<td>Master of Science in Industrial and Systems Engineering, Northern Illinois University</td>
</tr>
<tr>
<td>Boilermaker</td>
<td>Inspector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Design engineer</td>
<td>Labor relations manager</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Environmental engineer</td>
<td>Manufacturing technician</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freight, stock and material mover</td>
<td>Pattern and model maker</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health and safety rep</td>
<td>Header operator</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quality control technician</td>
<td>CNC programmer</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
9     | Freshman Seminar (s)
     | Semester elective (s)
10    | Introduction to Industrial Technology & Engineering
11    | Introduction to Engineering Design *(East and Guilford only)*
     | Orientation to Manufacturing *(Jefferson only)*
     | Fabrication I *(Jefferson, Auburn and Guilford only)*
12    | Fabrication II and III *(Jefferson, Auburn and Guilford only)*
     | Machine Tool I and II *(Jefferson only)*
     | Computer Aided Design*

(s) = semester
* = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Certifications
Manufacturing Engineering Technology Certificates, Rock Valley College

Associate’s Degree
Associate in Applied Science Degree in Manufacturing Engineering Technology, Rock Valley College

Bachelor’s Degree
Bachelor of Science in Technology (Manufacturing Engineering Technology), Northern Illinois University

Master’s Degree
Master of Science in Industrial and Systems Engineering, Northern Illinois University
SKILLED TRADES PATHWAY

Installing, maintaining, and repairing buildings, equipment, machinery, and electronics

POTENTIAL CAREERS IN SKILLED TRADES

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Occupation</th>
<th>Occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpenter</td>
<td>Meter installer/technician</td>
<td>Instrument calibration</td>
</tr>
<tr>
<td>Contractor</td>
<td>Plumber</td>
<td>Fixture designer</td>
</tr>
<tr>
<td>Electrician</td>
<td>Pipefitter</td>
<td>Maintenance technician</td>
</tr>
<tr>
<td>Industrial electrician</td>
<td>Roofer</td>
<td>Mason</td>
</tr>
<tr>
<td>Instrument control technician</td>
<td>Communications systems installer</td>
<td>Painter</td>
</tr>
<tr>
<td>Field service technician</td>
<td>Drywall installer</td>
<td>Sheet metal worker</td>
</tr>
<tr>
<td>Major appliance repair</td>
<td>Industrial machinery mechanic</td>
<td>Project manager</td>
</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
--- | --------------------------------------------------
9     | Freshman Seminar *(s)*
     | Semester elective *(s)*
10    | Introduction to Industrial Technology & Engineering
     | Introduction to Construction *(East only)*
11    | Orientation to Manufacturing *(Jefferson only)*
     | Fabrication I *(Jefferson, Auburn and Guilford only)*
     | Welding Technology I*                    
     | Automotive Service Technology*            
12    | Fabrication II and III *(Jefferson, Auburn and Guilford only)*
     | Machine Tool I and II *(Jefferson only)*   
     | Computer Aided Design*                    
     | Welding Technology II*                    
     | Automotive Service Technology II*          

*(s) = semester
* = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Certifications (combination of classes and work experience)

Assembly Line Welder Certificate, Rock Valley College
Electrician Apprenticeship Certificate, Rock Valley College
Sheet Metal Apprenticeship Certificate, Rock Valley College
Welding Certificate, Rock Valley College
EMITT TRAVEL TECHNOLOGY PATHWAY

Coordinating and carrying out the movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services

POTENTIAL CAREERS IN TRANSPORTATION TECHNOLOGY

<table>
<thead>
<tr>
<th>Role</th>
<th>Position</th>
<th>Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airplane pilot/co-pilot</td>
<td>Safety analyst</td>
<td>International logistics</td>
</tr>
<tr>
<td>Avionics technician</td>
<td>Transportation manager</td>
<td>Marine captain</td>
</tr>
<tr>
<td>Customs inspector</td>
<td>Urban planner</td>
<td>Road construction worker</td>
</tr>
<tr>
<td>Facility engineer</td>
<td>Air traffic controller</td>
<td>Storage and distribution manager</td>
</tr>
<tr>
<td>Industrial and packaging engineer</td>
<td>Cargo and freight agent</td>
<td>Truck driver</td>
</tr>
<tr>
<td>Locomotive engineer</td>
<td>Environmental manager</td>
<td>Warehouse manager</td>
</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)

9      | Freshman Seminar *(s)*
      | Semester elective *(s)*

10     | Principles of Aerospace *(Jefferson and Auburn only)*
      | Orientation to Transportation *(Jefferson and Auburn only)*
      | Introduction to Industrial Technology & Engineering

11     | Automotive Technology I *(Auburn and Jefferson only)*
      | Automotive Service Technology I* *(Jefferson and Auburn only)*
      | Aviation Maintenance I* *(Jefferson and Auburn only)*
      | Principles of Aerospace *(Jefferson and Auburn only)*
      | Unmanned Aerospace Systems *(Jefferson only)*

12     | Automotive Technology II *(Auburn and Jefferson only)*
      | Flight I *(Jefferson only)*
      | Automotive Service Technology II* *(Jefferson only)*
      | Aviation Maintenance II* *(Jefferson only)*

*(s) = semester
* = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate in Applied Science Degree in Automotive Service Technology, Rock Valley College

Bachelor’s Degree
Bachelor of Science in Technology, Northern Illinois University

Master’s Degree
Master of Science in Mechanical Engineering, Northern Illinois University
EDUCATION AND CHILD DEVELOPMENT PATHWAY

Planning, managing and providing education and training services, and related learning support services

POTENTIAL CAREERS IN EDUCATION AND CHILD DEVELOPMENT

Administrator  Speech-language pathologist  Coach
Career tech administrator  Assessment specialist  Clinical psychologist
College/university faculty  Child care worker  Curriculum developer
Early childhood teacher  Counselor  Principal
Middle school teacher  Elementary teacher
High school teacher  Paraprofessional

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9  Freshman Seminar (s)
   Semester elective (s)
10  Child Development
   Psychology
11  Child Development
   Student Leadership
   AP Psychology
   Teaching and Childcare Careers
12  Student Leadership
   AP Psychology
   AP Statistics

(s) = semester
* = Advance Now—Rock Valley College

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate of Applied Science in Early Childhood Education
Rock Valley College, Rasmussen College

Bachelor’s Degree
Bachelor of Science or Bachelor of Arts in Education
Rockford University, Northern Illinois University

Master’s Degree
Master of Science in Education
Northern Illinois University
Master of Arts in Teaching
Rockford University
HPS HUMAN SERVICES PATHWAY

Providing social support such as counseling and mental health services, family and community services, personal care, and consumer services

POTENTIAL CAREERS IN HUMAN SERVICES

<table>
<thead>
<tr>
<th>Career</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult day care worker</td>
<td>Residential Advisor</td>
</tr>
<tr>
<td>Community service director</td>
<td>Social worker</td>
</tr>
<tr>
<td>Emergency relief worker</td>
<td>Substance abuse counselor</td>
</tr>
<tr>
<td>Geriatric services worker</td>
<td>Career counselor</td>
</tr>
<tr>
<td>Counselor</td>
<td>Volunteer coordinator</td>
</tr>
<tr>
<td>Psychologist</td>
<td>Human services worker</td>
</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s)</td>
</tr>
<tr>
<td></td>
<td>Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>Psychology I</td>
</tr>
<tr>
<td></td>
<td>Student Leadership</td>
</tr>
<tr>
<td></td>
<td>Sociology (s)</td>
</tr>
<tr>
<td></td>
<td>World Affairs (s)</td>
</tr>
<tr>
<td>11</td>
<td>AP Psychology</td>
</tr>
<tr>
<td></td>
<td>Student Leadership</td>
</tr>
<tr>
<td></td>
<td>Sociology (s)</td>
</tr>
<tr>
<td></td>
<td>World Affairs (s)</td>
</tr>
<tr>
<td>12</td>
<td>AP Psychology</td>
</tr>
<tr>
<td></td>
<td>Student Leadership</td>
</tr>
<tr>
<td></td>
<td>Sociology (s)</td>
</tr>
</tbody>
</table>

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate of Arts
Rock Valley College, Rasmussen College

Bachelor’s Degree
Bachelor of Science or Bachelor of Arts in Psychology or Sociology
Rockford University, Northern Illinois University

Master’s Degree
Master of Science in Applied Family and Child Studies
Northern Illinois University
LAND AND RESOURCE MANAGEMENT PATHWAY HPS

Researching, designing, strategically planning, and implementing to ensure human interactions with the environment have a minimal impact and efficiently use our scarce resources

POTENTIAL CAREERS IN LAND AND RESOURCE MANAGEMENT

DOT Inspector  Risk manager  Health and safety manager
Environmental compliance  Environmental engineer  Industrial hygienist
Environmental protection specialist  Environmental manager  Safety analyst
Hazardous materials manager  Environmental scientist  Ranger
Health and safety engineer  First responder

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9  Freshman Seminar (s)
    Semester elective (s)
10  Environmental Science
    Earth Science—Astronomy and Meteorology (s)
    Earth Science—Geology and Oceanography (s)
    Horticulture
11  AP Environmental Science
    Horticulture
    Earth Science—Astronomy and Meteorology (s)
    Earth Science—Geology and Oceanography (s)
    AP Human Geography
    AP Biology
    AP Chemistry
12  AP Environmental Science
    AP Human Geography
    AP Biology
    AP Chemistry

(s) = semester

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree
Associate of Applied Science in Sustainable Energy Solutions
Rock Valley College

Bachelor's Degree
Bachelor of Science in Environmental Studies
Northern Illinois University

Master's Degree
Master of Science in Sustainable Agriculture
Northern Illinois University
HPS LAW AND PUBLIC SAFETY PATHWAY

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services

POTENTIAL CAREERS IN LAW AND PUBLIC SAFETY

Ambassador  World service officer  Emergency medical technician
Bomb technician  Attorney  Firefighter
Combat control officer  City manager  Military service person
Criminal investigator  Commissioner  Police officer
Elected official  Court reporter
Federal Marshall  Cryptographer

HIGH SCHOOL PATHWAY COURSES

Grade Essential Pathway Courses (select one each year)

9  
  Freshman Seminar (s)
  Semester elective (s)

10  
  Criminal Law
  Sociology (s)
  Psychology
  Business and Personal Law
  Intro to Crime Scene Investigation (Jefferson only)^
  ROTC (Auburn only)

11  
  Business and Personal Law
  Psychology
  Fire Science I *
  ROTC (Auburn only)

12  
  AP Comparative Government
  AP Psychology
  Fire Science II *
  AP Micro and Macro Economics
  Business and Personal Law
  Evidence Collection and Preservation (Jefferson only)^
  (s) = semester
  * = Advance Now—Rock Valley College
  ^ = University of Wisconsin Platteville

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate's Degree
Associate of Applied Science Degree in Criminal Justice
Rock Valley College, Rasmussen College

Bachelor's Degree
Bachelor of Science Criminal Justice
Northern Illinois University

Juris Doctorate Degree
Northern Illinois University
Creating, producing, building various elements for staged productions and/or cinema/film

**POTENTIAL CAREERS IN PERFORMANCE PRODUCTION**

- Sound engineer
- Make-up artist
- Director
- Set carpenter
- Interior designer
- Stage manager
- Master electrician
- Properties technician
- Architect
- Costume designer
- Scenic designer
- Scenic artist
- Technical director
- Playwright
- Publicist
- Cinematographer
- Dancer
- Esthetician
- Designer
- Production Manager

**HIGH SCHOOL PATHWAY COURSES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar <em>(s)</em></td>
</tr>
<tr>
<td></td>
<td>Semester elective <em>(s)</em></td>
</tr>
<tr>
<td>10</td>
<td>Tech Theatre I</td>
</tr>
<tr>
<td>11</td>
<td>Tech Theatre II</td>
</tr>
<tr>
<td>12</td>
<td>Advanced Theatre Seminar</td>
</tr>
<tr>
<td></td>
<td>Advanced Technical Theatre</td>
</tr>
<tr>
<td></td>
<td>Theatre Production</td>
</tr>
<tr>
<td></td>
<td><em>(s) = semester</em></td>
</tr>
</tbody>
</table>

**EXAMPLES OF LOCAL POST-SECONDARY DEGREES**

**Associate's Degree**
- Associate of Arts Degree
- Rock Valley College

**Bachelor's Degree**
- Bachelor of Fine Arts, Design and Technology
- Northern Illinois University, Rockford University

**Master's Degree**
- Master of Fine Arts, Design and Technology
- Northern Illinois University
HPS PERFORMING ARTS PATHWAY

Entertaining careers in musical and/or theatrical performance

POTENTIAL CAREERS IN PERFORMING ARTS

Actor Vocalist Playwright Music Teacher
Dancer Conductor Voiceover Artist
Theatre Teacher Instrumentalist Composer
Director Performer Critic Dramaturg

HIGH SCHOOL PATHWAY COURSES

Grade Essential Pathway Courses (select one each year)
9 Freshman Seminar (s)
   Semester elective (s)
10 Acting I Concert Band, Choral or Orchestra
   Beginning Piano Keyboard Symphonic Orchestra
11 Acting II Wind Ensemble
   Symphonic Orchestra Concert Choral
   Jazz Ensemble Advanced Piano Keyboard
12 Acting/Directing Theatre Seminar
   Wind Ensemble Symphonic Orchestra
   Concert Choral Jazz Ensemble
   Advanced Piano Keyboard AP Music Theory
   (s) = semester

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Associate of Arts
Rock Valley College

Bachelor’s Degree
Bachelor of Fine Arts in Theatre
Northern Illinois University

Master’s Degree
Master of Fine Arts in Music Performance
Northern Illinois University
Providing support and services to others to promote healthy living and a higher quality of life by providing education and experiences relating to fitness, nutrition, illness prevention, and recovery from injury or illness

**POTENTIAL CAREERS IN FITNESS AND WELLNESS**

<table>
<thead>
<tr>
<th>Athletic trainer</th>
<th>Teacher</th>
<th>Physical therapist</th>
<th>Life/wellness coach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coach</td>
<td>Kinesiologist</td>
<td>Chiropractor</td>
<td>Occupational therapist</td>
</tr>
<tr>
<td>Dietician</td>
<td>Massage therapist</td>
<td>Community health provider</td>
<td>Personal trainer</td>
</tr>
<tr>
<td>Fitness specialist</td>
<td>Nutritionist</td>
<td>Fitness sales person</td>
<td>Recreational therapist</td>
</tr>
<tr>
<td>Fitness and wellness coach</td>
<td>Parenting educator</td>
<td>Group fitness instructor</td>
<td></td>
</tr>
</tbody>
</table>

**HIGH SCHOOL PATHWAY COURSES**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s) Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>Exercise Science I</td>
</tr>
<tr>
<td>11</td>
<td>Exercise Science II Lifeguarding/Water Safety</td>
</tr>
<tr>
<td>12</td>
<td>Lifeguarding/Water Safety AP Biology AP Chemistry Anatomy &amp; Physiology</td>
</tr>
</tbody>
</table>

(s) = semester

**EXAMPLES OF LOCAL POST-SECONDARY DEGREES**

**Associate’s Degree**
Associate of Applied Science in Fitness, Wellness and Sports
Rock Valley College

**Bachelor’s Degree**
Bachelor of Science in Athletic Training
Northern Illinois University

**Master’s Degree**
Master of Science in Nutrition and Dietetics
Northern Illinois University

**Advanced Degrees**
Doctor of Physical Therapy (DPT)
Northern Illinois University
HEALTH CARE ASSOCIATE PATHWAY

Providing direct or indirect care for patients through planning, managing, and providing therapeutic services, diagnostic services, and business operations and support

POTENTIAL CAREERS IN HEALTH CARE ASSOCIATE

<table>
<thead>
<tr>
<th>Home health aide</th>
<th>Medical equipment preparer</th>
<th>Medical assistant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified nursing assistant</td>
<td>Pharmacy technician</td>
<td>Medical transcriptionist</td>
</tr>
<tr>
<td>Occupational therapy aide</td>
<td>Veterinary technician</td>
<td>Medical coding and billing</td>
</tr>
<tr>
<td>Physical therapy assistant</td>
<td>Surgical technologist</td>
<td>Phlebotomist</td>
</tr>
<tr>
<td>Dental assistant</td>
<td>Massage therapist</td>
<td>Ultrasound technician</td>
</tr>
</tbody>
</table>

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
--- | ---
9     | Freshman Seminar (s)
      | Semester elective (s)
10    | Introduction to Health Occupations
11    | Medical Science I ~
      | Anatomy & Physiology
      | Medical Terminology
12    | Anatomy & Physiology
      | Medical Terminology
      | AP Biology
      | AP Chemistry
      | AP Computer Science
      | Health Occupations*

(s) = semester
* = Advance Now—Rock Valley College
~ = Off campus course/application required

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

**Associate's Degree**
Associate of Applied Science Degree in Respiratory Care
Rock Valley College

**Bachelor's Degree**
Bachelor of Science Health Information Management
Northern Illinois University

**Master's Degree**
Master of Public Health
Northern Illinois University
MEDICAL AND HEALTH SCIENCES PATHWAY

Healing others through the diagnosis, treatment, and prevention of disease and injuries

POTENTIAL CAREERS IN MEDICAL HEALTH SCIENCES

- Biomedical engineer
- Athletic trainer
- Dental laboratory technician
- Medical records technician
- Pharmacist
- Physician
- Veterinarian
- Biomedical Equipment technician
- Clinical laboratory technician
- Surgeon
- Radiation therapy technologist
- Nurse
- Neurologist
- Dermatologist
- Anesthesiologist

HIGH SCHOOL PATHWAY COURSES

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s) Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>Introduction to Health Occupations Zoology</td>
</tr>
<tr>
<td>11</td>
<td>Medical Science I ~ Anatomy &amp; Physiology Zoology</td>
</tr>
<tr>
<td></td>
<td>Medical Terminology AP Biology</td>
</tr>
<tr>
<td>12</td>
<td>Anatomy &amp; Physiology AP Biology Health Occupations*</td>
</tr>
<tr>
<td></td>
<td>AP Chemistry EMT Program*</td>
</tr>
</tbody>
</table>

(s) = semester
* = Advance Now—Rock Valley College
~ = Off campus course/application required

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
- Associate of Science in Nursing
  Rock Valley College

Bachelor’s Degree
- Bachelor of Science in Medical Laboratory Sciences
  Northern Illinois University

Advanced Degrees
- Doctor of Pharmacy
- Doctor of Medicine
  University of Illinois College of Medicine at Rockford
Graduation Requirements

<table>
<thead>
<tr>
<th>Academic Area</th>
<th>2016-2019 District 205 Graduation Requirements</th>
<th>Illinois State Board of Higher Education Requirements</th>
<th>Highly Selective Colleges and Universities</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4 years (8 credits)</td>
<td>4 years</td>
<td>4 years</td>
</tr>
<tr>
<td>Math</td>
<td>3 years (6 credits)</td>
<td>3 years</td>
<td>3-4 years</td>
</tr>
<tr>
<td></td>
<td>Algebra, Geometry, and 1 year beyond Geometry</td>
<td>Algebra and Geometry</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3 years (6 credits)</td>
<td>2 years</td>
<td>4 years</td>
</tr>
<tr>
<td></td>
<td>Biology, a Physical Science, and 1 additional year of science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Science</td>
<td>3 years (6 credits)</td>
<td>2 years</td>
<td>4 years</td>
</tr>
<tr>
<td></td>
<td>US History, World History/Geography, American Government, Economics, and pass the Constitution Exam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE/Health</td>
<td>PE – 3.5 years (7 credits)</td>
<td>1 Semester</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Health - .5 years (1 credit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fine Arts, Foreign Language, CTE</td>
<td>2 year (4 credits)</td>
<td>1 Year</td>
<td></td>
</tr>
<tr>
<td>Other Electives</td>
<td>Electives to achieve total credits required by Board Policy</td>
<td>Varies</td>
<td></td>
</tr>
<tr>
<td>AP Course/Dual Credit</td>
<td>At least one AP or Dual Credit Course in any subject area is strongly encouraged.</td>
<td>AP or Dual Credit Courses area strongly encouraged.</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>48 Credits</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CLASSIFICATION BY GRADE LEVEL
Calculated at the beginning of each school year.

<table>
<thead>
<tr>
<th>1st year in 9th grade</th>
<th>Freshman</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2012 or prior</td>
<td>0-9</td>
<td>10-19</td>
<td>20-29</td>
<td>30+</td>
</tr>
<tr>
<td>2012-2013 or later</td>
<td>0-11</td>
<td>12-23</td>
<td>24-33</td>
<td>34+</td>
</tr>
</tbody>
</table>
# SAMPLE: Four Year High School Plan

**Academy Choice**: BAMIT  
**Career Pathway**: Accounting/Finance

<table>
<thead>
<tr>
<th>Grade</th>
<th>English/LA</th>
<th>Math</th>
<th>Science</th>
<th>Social Science</th>
<th>PE/Health</th>
<th>Pathway Electives</th>
<th>General Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>English 9</td>
<td>Algebra 1</td>
<td>Biology</td>
<td>World History</td>
<td>PE</td>
<td>Freshmen Seminar</td>
<td>Spanish 1</td>
</tr>
<tr>
<td></td>
<td>Honors English 10</td>
<td>Geometry</td>
<td>Chemistry</td>
<td>Intro to Acting/Intro to Tech Theatre</td>
<td>PE/Health</td>
<td>Accounting I (Year 1 pathway elective)</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>AP English Language &amp; Composition</td>
<td>Algebra 2</td>
<td>AP Biology</td>
<td>AP US History</td>
<td>PE</td>
<td>Accounting II (Year 2 pathway elective)</td>
<td>Spanish 2</td>
</tr>
<tr>
<td>11</td>
<td>AP English Language &amp; Composition</td>
<td>(this student has fulfilled the math graduation requirement and now has some flexibility in their schedule to take another math course or any elective)</td>
<td>(this student has fulfilled the science graduation requirement and now has some flexibility in their schedule to take another math course, science course or any elective)</td>
<td>Government/Economics</td>
<td>PE</td>
<td>Accounting III (year 3 pathway elective)</td>
<td>Spanish 3</td>
</tr>
<tr>
<td>12</td>
<td>AP English Literature &amp; Composition</td>
<td>(this student has fulfilled the math graduation requirement and now has some flexibility in their schedule to take another math course or any elective)</td>
<td>(this student has fulfilled the science graduation requirement and now has some flexibility in their schedule to take another math course, science course or any elective)</td>
<td>Government/Economics</td>
<td>PE</td>
<td>Accounting III (year 3 pathway elective)</td>
<td>Tech Theatre 1</td>
</tr>
</tbody>
</table>

### Post-Secondary Options

- On the job training
- Military Certification
- Associates Degree
- **Bachelor Degree** Western Illinois University
- Advanced Degree
**Benchmarks**

Maximizing the opportunity for each student to reach his or her potential is one of our organizational goals. Four key areas are nationally and statistically proven indicators of student achievement and success beyond high school: Literacy, Numeracy, College and Career Readiness, and Attainment.

We will measure these benchmarks annually, adjust curriculum and instruction as needed, and keep climbing toward student success for all.

**LITERACY**
The ability to read proficiently by the end of third grade is a critical benchmark that sets a child up for success in school and life.

- 9th Grade: Students earn a 17 or better on the Explore Reading and Explore English tests
- 10th Grade: Students earn an 18 or better on the Plan Reading and Plan English tests
- 11th Grade: Students earn a 20 or better on the ACT Reading and ACT English tests

**NUMERACY**
The ability to develop logical thinking and reasoning strategies in our daily lives is directly connected to our ability to confidently and effectively use mathematics.

- 9th Grade: Students earn a 17 or better on the Explore Math test
- 10th Grade: Students earn an 18 or better on the Plan Math test
- 11th Grade: Students earn a 20 or better on the ACT Math test

**COLLEGE AND CAREER READINESS**
Academies help prepare our students for life after high school by using small learning communities, college and career prep curriculum, and partnerships with local businesses and organizations.

All students in K-12 will develop a college and career readiness portfolio.

All students complete at least one of the following:

- Score a 3 or higher on an AP test
- Complete a course for dual credit with a C or better
- Earn a nationally recognized certification/license
- Create a senior Capstone project
- Attain a Silver ranking or better on the National Career Readiness Certification Performance

**ATTAINMENT**
Our vision is helping all of our students reach their academic and personal goals. Tracking key indicators from Pre-K—12th grade will help us keep our students on track for graduation.

100% of students graduate from high school

Grades 9 – 12: Students earn at least 12 credits per year and graduate in 4 years.
KINDERGARTEN – GRADE 5
Can I demonstrate self-management skills to achieve school and life success?
Can I demonstrate skills and ways to maintain positive relationships?
Can I demonstrate decision-making skills and responsible behaviors in school and the community?

GRADE 6 - WHERE DO I FIT IN?
- Complete a middle school transition assessment
- Conduct a personal learning style/personality inventory

GRADE 7 - WHAT ARE MY KEY RESPONSIBILITIES AS A MIDDLE AND HIGH SCHOOL STUDENT?
- Identify appropriate school/workplace behaviors
- Explore internet safety and responsibility

GRADE 8 - HOW DO I PREPARE FOR HIGH SCHOOL?
- Conduct a personal interest inventory
- Attend and engage in a high school visit
- Develop a personal budget

GRADE 9 - WHAT IS MY RPS ACADEMY AND PATHWAY?
- Attend and engage in the Academy Expo
- Complete an employment research project
- Attend a community college visit
- Complete a post-secondary education research project

GRADE 10 - WHAT IS MY PLAN FOR AFTER HIGH SCHOOL?
- Attend and engage in a business site visit
- Attend and engage in a university visit
- Develop a post-high school plan and budget

GRADE 11 - HOW DO I MARKET MYSELF?
- Engage in college admission standardized test preparation
- Compose a college essay/personal statement
- Attend and engage in a college fair
- Complete a job application
- Participate in a mock interview

GRADE 12 - WHAT IS MY NEXT STEP AFTER GRADUATION?
- Complete a college/post-secondary application
- Apply for financial aid/scholarship(s)
- Create a resume
Graduation Options

TRADITIONAL DIPLOMA

- To receive a traditional diploma at commencement, a student must meet all requirements at the time of graduation. Students not receiving diplomas are not permitted to participate in the commencement ceremony; exceptions include foreign exchange students and students receiving special education services (those continuing school until the day before the 22nd birthday).

- A Rockford Public School student transferring from one RPS high school to another during his or her senior year must complete the entire last semester of his or her senior year in the “new” school to receive a diploma issued from that building.

- Students transferring in to a RPS high school without a transcript from a North Central accredited agency must complete the entire two semesters prior to graduation at a RPS high school to receive a diploma from Rockford Public Schools.

- Graduation requirements for students receiving special education services are governed by Board of Education policy 8.13. During the student’s 9th grade annual review, the special education team must determine the student’s projected year of high school graduation and the plan the student will use to graduate: 1) standard district graduation plan; 2) modified district graduation plan or 3) alternative graduation plan as per the individualized educational program.

- Students who complete the graduation requirements during the summer (by August 1) following their graduating class will be issued a diploma dated June of that year. Students who fulfill requirements after the August 1 deadline will be issued a diploma dated June of the following year.

- Seniors are recognized for valedictory and salutatory distinctions as well as cum laude (3.50 – 3.7499), magna cum laude (GPA of 3.75 – 3.999) and summa cum laude (GPA of 4.0 or above) based upon the cumulative grade point average of eight semesters.

- Rockford Public School graduation ceremonies are formal ceremonies; students must adhere to dress and behavior codes. All fees must be paid, in full, by the established deadline to participate in the commencement ceremony.

EARLY GRADUATION

A student planning to complete graduation requirements before eight semesters may apply for early graduation by submitting a written rationale and completing an early graduation plan prior to the requested graduation year. The application must be signed by the student’s parent or guardian, counselor and building principal before submitting to the superintendent for consideration. Eligible students must meet all credit and course requirements applicable to their four-year senior class. Early graduates will not be considered for distinctions of valedictorian, salutatorian, or top twenty-five students of the graduating class. The early graduate’s class rank remains at junior status. All early graduates will be included in senior activities.
# Student Fees

The following fee schedule, as passed by the RPS 205 Board of Education, is subject to change.

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Fee</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Consumable Lab Fee</td>
<td>$100.00</td>
<td>Includes all instructional supplies, materials, and workbooks for core courses (English, Science, Social Studies, Math &amp; P.E.), and lock fees.</td>
</tr>
<tr>
<td>*Textbook Deposit (refundable)</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>**Athletic Admission Fee</td>
<td>$20.00</td>
<td>Allows attendance to District regular season athletic events.</td>
</tr>
<tr>
<td>**Parking Fee</td>
<td>$60.00</td>
<td></td>
</tr>
<tr>
<td>Athletic/Activity Participation Fee (per activity)</td>
<td>$100.00</td>
<td>Required for all students participating in clubs with IHSA sanctioned events, pom and spirit squads.</td>
</tr>
<tr>
<td>Band/Orchestra/Chorus/Choir</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Art/ CAPA Art</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Choral/Drama/CAPA Drama</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>CAPA Graphic Design</td>
<td>$25.00</td>
<td></td>
</tr>
<tr>
<td>Foreign Language</td>
<td>$12.00</td>
<td></td>
</tr>
<tr>
<td>Vocational/Career &amp; Technical Education</td>
<td>$5.00 - $45.00</td>
<td></td>
</tr>
<tr>
<td>Vocational (capstone)</td>
<td>$15.00 - $60.00</td>
<td></td>
</tr>
<tr>
<td>Driver Education (Behind the wheel)</td>
<td>$250.00</td>
<td></td>
</tr>
<tr>
<td>Musical Instrumental Rental</td>
<td>$60.00</td>
<td></td>
</tr>
<tr>
<td>**Summer School Tuition</td>
<td>$170.00</td>
<td>Out of district - $300.00</td>
</tr>
<tr>
<td>**Night School Classes</td>
<td>$170.00</td>
<td>In District – $320 for 2 classes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Out of District – $250 for 1 class/$425 for 2 classes</td>
</tr>
<tr>
<td>P.E.</td>
<td>Varies per course</td>
<td></td>
</tr>
<tr>
<td>Lifeguard/water safety</td>
<td>$35.00</td>
<td></td>
</tr>
<tr>
<td>CISCO</td>
<td>$40.00</td>
<td></td>
</tr>
<tr>
<td>AP Exam</td>
<td>$89.00</td>
<td>Fees may be reduced for students receiving free/reduced lunch assistance</td>
</tr>
<tr>
<td>Accounting</td>
<td>Varies by course</td>
<td></td>
</tr>
<tr>
<td>Virtual Learning Courses</td>
<td>Varies by course</td>
<td></td>
</tr>
<tr>
<td>***Dual Enrollment Courses</td>
<td>Varies by course</td>
<td>Students are responsible for all registration and student fees. Depending on the program, students may also be responsible for tuition and textbooks.</td>
</tr>
</tbody>
</table>

* Required Fees
** Fees cannot be waived
***Dual Enrollment includes but is not limited to RVC Dual Credit, CEANCI: Advance Now, CISCO and Regional programs.
Capstone – higher level vocational classes (juniors and seniors)
ADD-DROP POLICY
Each building’s master schedule and every student schedule is created based upon students’ course selections. Each student’s course selection impacts the master schedule for the next school year. Teacher allocations and the number of course sections offered are determined by student course selections. Therefore, when students make their course selections, it is understood that their schedules will reflect their selections and will not be changed.

Course changes will only be considered based on the following:

1. Seat availability
   - Caps on class sizes exist per the REA collective bargaining agreement and OSHA regulations

2. Lack of prerequisites
   - Student needs to earn credit in a lower level course

3. Course credit earned
   - Student has earned credit after making course selection

4. Data entry error
   - Student was assigned to an incorrect course

5. Graduation requirements
   - See high school planning guide

6. College entrance requirements
   - Student must provide documentation from the college

7. Inappropriate academic placement
   - In order to drop to a lower level, a student must provide evidence that an effort has been made to succeed in a particular class.
   - In order to move to a higher level, an agreement between the student and teacher must be reached.
   - Students are responsible for obtaining signatures and the proper routing of Academic Placement Change Form.

8. Documented medical condition approved by Health Services Supervisor

9. Administrative corrective strategy
   - The discipline code specifies that a code violation can result in a schedule change intervention.

Impact on Grades:
   - The student’s current grade transfers to the new course.
   - Changes made within the first 10 days of a semester can be made with no penalty.
   - Changes requested after 10 days and before 25 days will result in a W (withdrawal) recorded on the transcript for the dropped course. This will not have a negative impact on the GPA and no credit will be awarded.
   - Changes requested after 25 days will result in a WF (withdrawal-fail) recorded on the transcript for the dropped course. This will translate as an “F” in the calculation of the GPA and no credit will be awarded.
   - Changes requested due to a documented medical condition, approved by the Health Services Supervisor, will result in a WM (withdrawal-medical) for the dropped course. This will not have a negative impact on the GPA and no credit will be awarded.
HONOR ROLL
To qualify for Honor Roll, students must have a GPA of 3.0 for at least five classes and have no failing grades.

FINAL EXAMINATIONS
Final examinations are given in all subject areas. Dates and times are announced several weeks prior to the end of each semester. The final examination may count up to 20% of the semester grade.

ACADEMIC COURSES/ HONORS COURSES
- Academic Courses: Academic courses (English, Math, Science, Social Studies) are designed to prepare students for success in college and career opportunities after high school. Students in these courses receive curriculum aligned to Common Core Standards. Students who show high levels of success may be able to move to an Honors / Advanced course level in the future.
- Honors / Advanced: Honors / Advanced courses are designed to allow students to participate in college-level experiences during high school. Students in Honors / Advanced courses receive the core curriculum with additional rigor and extra opportunities for enrichment. Course rigor is ensured by applying an Honors rubric or College Board guidelines to course curricula. Honors courses traditionally lead into an Advanced Placement course.

ADVANCED PLACEMENT COURSES
- Advanced Placement (AP) courses are college level classes that are taken in high school. Rockford Public School students who enroll in AP courses are expected to take the Advanced Placement Exams that are administered through the high school and scored by the AP College Board.
- Participation in an AP course:
- Prepares students for college success including improved GPAs, more credit hours earned, increased likelihood of remaining in college after freshman year, and increased likelihood of graduating in 4 years.
- Involves more homework, since class time is more focused on active participation: discussion, labs, debates, etc.
- May require summer reading or assignments to prepare for starting the course.

The following requirements also apply:
- Students are required to pay the AP exam fees. Financial assistance is available to students with financial need.
- Students who earn passing grades for AP courses from Rockford Public Schools and complete the appropriate AP exams will be awarded quality points that contribute to GPA and the decision of class rank. Quality points are awarded each semester.
- Make-up exams follow AP College Board regulations including a fee for late testing.
- Freshmen, if enrolled in one or more AP courses, should plan to take at least one AP exam.
- Sophomores, if enrolled in two or more AP courses, should plan to take at least two AP exams. Juniors and/or Seniors, if enrolled in three or more AP courses, should plan to take at least three AP exams.

Good performance on AP exams may earn students one or more of the following:
- Special consideration from colleges/universities to which he/she applies;
- College placement at a more advanced level than usual in the specific subject area of the exam;
- College credits (Each college/university has its own policy on advanced placement and the issuing of credit).
- Illinois public universities recognize 3 or higher for college credit.
DUAL CREDIT COURSES
Students may take approved courses at select post-secondary institutions to receive college credit and credit toward high school graduation. Students must meet the college/university entrance requirements. A formal application must be completed and approved by the student’s school counselor and the building principal each semester a student takes a Dual Credit class. For most dual credit courses, tuition, fees and books are the responsibility of the student and their family. A transcript from the college/university must be submitted at least ten days before graduation or within one month of completion of the course, whichever is applicable. Please refer to the Dual Credit section of this guide, or see your school counselor for a list of dual credit classes.

CORRESPONDENCE AND VIRTUAL LEARNING COURSES
Correspondence and Virtual Learning Courses may be taken for credit recovery, core course overflow or elective courses. Students may be allowed to take virtual classes from an accredited institution with the approval of the student’s counselor and principal prior to enrollment in the course. The student’s counselor and principal must approve courses prior to enrollment. Students are responsible for all charges including fees and proctoring costs.

POST-SECONDARY PLANNING
Requirements for college admissions vary from school to school. In addition to specific course requirements, colleges consider high school grades and college admission test scores (American College Test or Scholastic Aptitude Test). Many colleges are especially concerned about the student’s senior year. Therefore, seniors should be sure to plan a challenging program for their final year in high school. To learn the admission requirements of a particular school, students should work with their school counselor or check the current college website for accurate information about courses, grades, rank, and recommendation requirements. The personal recommendation required by some colleges includes input from school personnel on such characteristics as ability, motivation, and responsibility. It also may include a statement about participation and leadership in extracurricular activities. One of the most heavily weighed areas of consideration in the college admission process is the rigor of the student’s high school academic record. Close scrutiny is given in assessing if the student took the most challenging courses possible. Colleges place emphasis on the high school grades which a student has earned because these grades are the best predictors of success in college.

FINANCIAL AID AND SCHOLARSHIPS
We encourage families to work with our staff to thoroughly explore all financial aid and scholarship opportunities available. Financial Aid Information Sessions are planned throughout the school year. Families are strongly encouraged to attend.

POST-SECONDARY REPRESENTATIVES
Each year admissions representatives from colleges, universities, trade schools, business schools, the military, and various community organizations visit School Counseling Offices to meet with students and present opportunities that are available to students after high school. A calendar of all such visits is posted in or near each School Counseling Office. Students are encouraged to make appointments with representatives to explore post high school options. Please note: teacher permission is required in order to attend appointments during class time.
NATIONAL HONOR SOCIETY

The purpose of the National Honor Society is to recognize and reward enthusiasm for scholarship, development of character, promotion of leadership, and rendering of service for students of secondary schools. Membership is a prestigious honor bestowed upon a student. Candidates will be invited to apply if they meet the criteria of the organization including having a cumulative grade point average of 3.250 and exhibiting outstanding character, leadership, and service as well as scholarship. Candidates complete a student activity information form. Any faculty member may offer input. Candidates receiving a majority vote of the faculty and/or appointed faculty representative committee are inducted into the N.H.S.

WORK PERMITS

Work permit forms are available in the Counseling Office or Main Office. Students under 16 must have a 2.0 grade point average to apply.

COUNSELING SERVICES

The Rockford School District’s Counseling Program supports teaching and learning by assuring that all students achieve academic success and develop life skills through the acquisition of academic, career, and personal/social competencies, which will prepare them to be contributing members of a diverse and ever-changing society. The Rockford High School Counseling Program is based on the National Standards for School Counseling Programs and the American School Counselor Association (ASCA) National Model. Credentialed school counselors provide comprehensive school counseling programs that incorporate prevention and intervention activities through school-wide assemblies and activities, classroom lessons, individual counseling, and collaboration with outside community resources. Counselors also assist students in ensuring they meet high school graduation requirements. School counseling programs are comprised of three domains:

Academic Development:
- Acquiring the attitudes, knowledge, and skills that contribute to effective learning in school and in life;
- Completing school with the academic preparation essential to choose from a range of post-secondary options;
- Understanding the relationship between academic success and future educational options

Career Development:
- Acquiring the skills to investigate career choices in relation to self-knowledge and current job trends;
- Understanding relationships between personal qualities, educational and training opportunities and careers;
- Learning decision making strategies for future career choices.

Personal/Social Development:
- Acquiring attitudes, knowledge and interpersonal skills to help students understand & respect self and others;
- Making decisions, setting goals and taking necessary action to achieve goals;
- Applying effective problem-solving and conflict resolution skills to make safe and healthy choices.

A student’s right to privacy and confidentiality is the basis for an effective counseling relationship. Confidentiality ensures that school counselors will not share the student’s disclosures with others except when the student authorizes it or when there is a clear and present danger to the student and/or to other persons. Parents and students are encouraged to make use of each school’s counseling services. Students should see counselors after obtaining a pass from their teacher. Parents should call in advance to make an appointment.
GENERAL INFORMATION

NIGHT SCHOOL
Rockford Public Schools offers an evening high school program at Roosevelt Community Education Center where students may retake failed courses required for graduation. Students may enroll in one or two courses each semester. School principal approval is required for registration. Night school is a tuition-based program. Course availability is subject to enrollment.

SUMMER SCHOOL
Summer School is a tuition-based program that offers students the opportunity to complete new or recovery courses. Course offerings are limited to those required for graduation. Students may enroll in one or two courses each summer. A list of course offerings will be available in the spring.

RETTAKING A FAILED CORE COURSE
Students shall be given one additional opportunity to retake failed core courses that are required for graduation. Students may retake failed core courses as current allocations allow at the student’s serving school. Seniors will be given first priority. Students who fail required courses shall receive counseling to explore all appropriate options to recover failed credits. All subsequent attempts to receive credit for the course will be at the student’s expense through night school, summer school, or virtual learning courses.

LIBRARY SERVICES
The library is an extension of the classroom and an area where students and teachers can become information and technology literate. To become effective users of information, students will have many opportunities to locate, interpret, analyze, evaluate and communicate information. The classroom teacher and library media specialist work closely together to identify learning needs of students and support those needs. The following services are available in the library:

1. Access to Print Resources: the high school library has books, newspapers and magazines available to students. Students may access the Destiny Online Library catalog from school or home to locate these print resources for curricular needs or reading enjoyment and may check them out as needed.

2. Electronic Databases: each library has access to online databases through the district web site. These databases are accessible to students from school or home and the librarian will help students learn how to use these effectively. They provide scholarly, reliable resources for students to use for research.

3. Instructional Support: Librarians provide materials and resource lists to students and teachers to support curricular needs of the classroom including books placed on reserve, access to textbooks, and supplemental readings.

4. Access to Technology: Libraries have computers available for student use during class time and study hall/lunch periods. All individuals wishing access to computers must have an Authorization for Internet Access (AUP) on file.
TESTING AND ASSESSMENT SCHEDULE
As part of the Rockford School District’s overall assessment program, all students participate in PLAN at grade 9, a practice ACT at grade 10, and the ACT/WorkKeys at grade 11. TBE and TPI students also participate in the ACCESS assessment. The high school PARCC assessments will be based directly on the Common Core State Standards.

All of these assessments serve the purpose of diagnosing student strengths and weaknesses, guiding students in their life/career planning, providing information in order to evaluate, providing information for accountability purposes, and providing data for research and planning purposes.

PARCC—REQUIRED BY ILLINOIS LAW FOR GRADUATION
The PARCC test is composed of two required summative tests in English Language Arts and mathematics.

GRADERS 9 – 12: ACCESS The ACCESS is an English proficiency test that is given to all high school students identified as English Language Learners even if ELL services have been waived. The assessment measures skills in listening, speaking, reading, and writing. It is used as a basis to direct classroom instruction and for future placement. Testing takes place in January and February.

GRADE 9: PLAN This test helps build a solid foundation for future academic and career success. It helps students measure their current academic development, explore career/training options and make plans for the remaining years of high school and post-graduate years. It also provides valuable preparation for ACT.

GRADE 10: PRACTICE ACT This test helps provide valuable preparation for ACT. It allows students, parents, and school personnel an opportunity to find strengths and weaknesses before the PSAE is given during 11th grade. The Practice ACT that is given by the district in 10th grade will not be accepted by the NCAA.

GRADES 10 AND 11: PSAT This is the qualifying test for National Merit Scholarships. This is an optional test and is given either on a Wednesday or Saturday in October. The testing day will be determined by each high school. Since this is not a District mandated test, there is a charge for students who take it. Contact your counselor for more information.

GRADE 11: ACT/WorkKeys This test is the most important test students will take during their entire school career and is comprised of: the ACT (accepted at most four year colleges and universities in the United States as an admissions criteria), two Work Keys tests in Reading for Information and Applied Mathematics, as well as a state developed science test. Students seeking admission to institutions of higher education and students seeking employment in all career pathways must demonstrate competency on these assessments.

ACT/PLAN INFORMATION
Visit actstudent.org for information regarding test dates and additional test preparation activities.

Visit planstudent.org for information regarding the PLAN test results.

HIGH SCHOOL CEEB CODE NUMBERS:

<table>
<thead>
<tr>
<th>School</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auburn</td>
<td>143-693</td>
</tr>
<tr>
<td>East High</td>
<td>143-700</td>
</tr>
<tr>
<td>Guilford</td>
<td>143-703</td>
</tr>
<tr>
<td>Jefferson</td>
<td>143-712</td>
</tr>
<tr>
<td>Roosevelt</td>
<td>143-717</td>
</tr>
</tbody>
</table>
HEALTH AND DENTAL EXAMINATIONS AND IMMUNIZATIONS

Rockford Public Schools require that all children show proof of having had a health examination and required immunizations PRIOR to the first day of school. (Board Policy 7.100 and 105 ILCS 5/27-8.1).

HEALTH EXAMINATIONS

A student must have a physical examination within one year prior to entering:

1) Ninth Grade
2) Any student new to the school district must meet requirement within 30 days of enrollment

VISION EXAMINATIONS

Public Act 95-0671 requires eye exams within one year prior to Kindergarten entry, and for all students who enter a public, private, or parochial school in Illinois for the first time. The exam must be conducted by a qualified optometrist or ophthalmologist. Proof of the required eye exam must be submitted by the first day of school.

IMMUNIZATIONS

Students must show proof of basic immunization and required boosters for Diphtheria, Tetanus, Pertussis, Polio, Red Measles, Mumps, Rubella, **Haemophilus Influenza Type B (pre-school), **Hepatitis B (pre-school, 5-12th grades), Varicella and Meningitis.

OBSJECTIONS

Children whose parents or legal guardians object to health and vision exams or to the required immunizations may submit a letter explaining their religious beliefs and request an exemption to the law.

NEW STUDENTS

If a student enters the district from out of state, parents or legal guardians have 30 days to comply with the above requirements, regardless of age. The required health examinations and immunizations may be obtained at the local health department, clinic, or doctor’s office of choice.

HEARING AND VISION SCREENING

Hearing screening services shall be provided annually for all students in any special education class; have been referred by a teacher or parent; or are transfer students. In lieu of the screening services required, a completed and signed report form, indicating that the child has had an ear examination by a physician and an audiological evaluation completed by an audiologist within the previous 12 months, is acceptable. If a hearing examination report or audiological evaluation is not on file at the school, your child, in the mandated age, grade, or group will be screened. “The parent or legal guardian of a student may object to hearing screening tests for their children on religious grounds.” (23 Ill.Admin.Code 675.110)

Vision screening services shall be provided annually during the school year, as mandated for the following children; all special education classes; those students referred by teachers; and transfer students. If a vision examination report is not on file at the school, your child, in the mandated age, grade, or group will be screened. “Vision screening is not a substitute for a complete eye and vision evaluation by an eye doctor. Your child is not required to undergo this vision screening if an optometrist or ophthalmologist has completed and signed a report form indicating that an examination has been administered within the previous 12 months.” (105 ILCS 27-8.1, Section 685.110) The parent or legal guardian of a student may object to vision screening tests for their child on religious grounds.
HEALTHY STUDENTS ARE BETTER LEARNERS

Health Services staff encourages the following good hygiene practices to allow for optimum learning opportunities:

- Thorough & frequent hand washing
- Eating a nutritious breakfast
- Sleeping 8 – 10 hours each night
- Exercising for 30 minutes, 3x/week

If, however, your child is ill, they should **not** be sent to school. Your child should remain at home for at least 24 hours after their symptoms have resolved. Please consider contacting your doctor for advice if your child exhibits any of the following conditions:

- Severe pain that limits activity
- Temperature over 100.4 degrees
- Contagious illness or condition
- Vomiting or diarrhea
- Constant cough
- Skin rash

Head Lice - Head lice are tiny insects that gather mostly behind the ears, back of the neck and only live on the human head. The presence of lice can occur in all levels of income, age, sex, or race. Lice cannot fly or jump, they are passed along following prolonged, direct head-to-head contact. Head lice do not cause illness nor do they transmit communicable disease.

Researchers advise treating only the person affected with live lice, using a medicated shampoo, closely following the package directions. Children under the age of 2 or pregnant women should consult with their doctor’s for treatment recommendations. Treatment is followed by thorough combing of the affected person’s hair daily for 7 -10 days.

Children with live lice will be excluded from school. Mass screenings and notifications have been proven to be ineffective in controlling this nuisance and in avoiding re-infestation. The health services staff will focus on parent and staff education, as is recommended by current research.

MEDICATION AT SCHOOL

PRESCRIPTION MEDICATION: Medications shall be administered to students by the school nurse or voluntary school personnel only when absolutely necessary for the critical health and well-being of the student. Medication prescribed daily, twice, or three times per day should be administered by the parent around school hours. If it is determined that the student shall receive medication at school, the procedures set forth below shall be followed:

1. The student’s physician shall provide written orders detailing the name of the student, the type of disease or illness involved, the name of the drug, dosage, time interval in which the medication is to be taken, the desired benefits of the medication, the side effects, and an emergency number where the physician can be reached.

2. The student’s parent or legal guardian shall provide to the school nurse a written request authorizing the administration of the prescribed medication at school including a parent emergency phone number.

3. Medication shall be brought to the school, by the parent or legal guardian, in the original container appropriately labeled by the pharmacist or physician. Prescription drugs shall display all of the following information: Student name, prescription number, medication name/dosage, administration route and/or directions, date and refill, licensed prescriber’s name, pharmacy name, address, and phone number, name or initials of pharmacist. Non-prescription drugs shall be brought to school and stored with the manufacturer’s original label indicating the ingredients and the student’s name affixed to the container.
ADMINISTRATION OF APPROVED DISCRETIONARY MEDICATION

The School Health Council of the Winnebago County Medical Association has approved the intermittent administration of certain non-prescription medications, which may be made available at the school, following appropriate physical assessment, by the registered school nurse: Tylenol or Advil (generic substitutes allowed). This service is offered to alleviate the child’s minor discomforts and to avoid early dismissals from school. It is our hope that providing this service improves attendance and enhances academic performance.

Parent or legal guardian written consent must be obtained before any medication is given to the child. Only the School Nurse/Registered Nurse may administer these medications in accordance with established protocols. The approved consent form requires the parent/guardian to select which medication may be made available for their child. The consent is effective for the current school year.

Approved discretionary medications are intended for occasional use only. If the child requires any prescription medication or non-prescription medication on a regular basis, or is beyond the weight-based dosage range, the parent or legal guardian must obtain and complete an "Authorization for Medication" form, a written order from the child’s doctor, and provide a supply of the medication in the original container.

If a student experiences an extreme allergic reaction during school hours, the school nurse or trained school staff may administer epinephrine (Epi-pen) in accordance with district protocols. If this occurs, Emergency Medical Services (EMS) will be called and parent or designated emergency contact will be notified.

Health Services
Co-Curricular Activities

A well-rounded high school education is more than just classroom work. Colleges and employers value students who have a wide range of school experiences. Rockford High Schools offer a wide range of co-curricular activities: a list is available at your school. Other groups can be formed with sufficient student interest. All student groups must have a faculty advisor and the approval of the principal.

SPONSORS

ROCKFORD PUBLIC SCHOOLS

Co-Curricular Eligibility

Co-curricular activities include all athletic and non-athletic activities sponsored by the Board of Education in the middle schools and high schools. Student participation in these activities is encouraged provided students first meet certain academic requirements.

Eligibility

In order to participate in co-curricular activities, students must meet the following requirements:

1. All students in grades seven (7) through twelve (12) participating in co-curricular activities must have received a passing grade in a minimum of five (5) full credit courses the previous semester.* This does include summer school, night school, vocational classes, Rock Valley classes, and other accredited courses if available. Meaning these additional courses may be used to meet the eligibility requirements. Continued participation will require a student to be passing (5) full credit courses on a weekly basis, with no unexcused classroom absences. Continued participation will require a student carrying one (1) failing grade to attend mandatory tutoring on a weekly basis.

<table>
<thead>
<tr>
<th>Fall Sports</th>
<th>Winter Sports</th>
<th>Spring Sports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boys Cross Country</td>
<td>Boys Bowling</td>
<td>Baseball</td>
</tr>
<tr>
<td>Girls Cross Country</td>
<td>Girls Bowling</td>
<td>Softball</td>
</tr>
<tr>
<td>Football</td>
<td>Boys Basketball</td>
<td>Boys Track &amp; Field</td>
</tr>
<tr>
<td>Competitive Cheer</td>
<td>Girls Basketball</td>
<td>Girls Track &amp; Field</td>
</tr>
<tr>
<td>Girls Swimming/ Diving</td>
<td>Sideline Cheer</td>
<td>Girls Soccer</td>
</tr>
<tr>
<td>Girls Golf</td>
<td>Competitive Cheer</td>
<td>Competitive Soccer</td>
</tr>
<tr>
<td>Boys Golf</td>
<td>Boys Swimming/ Diving</td>
<td>Boys Volleyball</td>
</tr>
<tr>
<td>Boys Soccer</td>
<td>Wrestling</td>
<td></td>
</tr>
<tr>
<td>Girls Tennis</td>
<td>Competitive Dance</td>
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</tr>
<tr>
<td>Girls Volleyball</td>
<td>Boys Indoor Track &amp; Field</td>
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<td>Sideline Cheer</td>
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<tr>
<td>Competitive Dance</td>
<td>eSports</td>
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</tr>
<tr>
<td>eSports</td>
<td>Robotics</td>
<td></td>
</tr>
</tbody>
</table>

* This does include summer school, night school, vocational classes, Rock Valley classes, and other accredited courses if available.
Co-Curricular Activities

2. All students in grade six (6) must be passing five (5) full credit courses, with no unexcused absences on a weekly basis, in order to maintain eligibility. Continued participation will require a student carrying one (1) failing grade to attend mandatory tutoring on a weekly basis.

3. All students in grade nine (9) are automatically deemed eligible to participate in co-curricular activities the first semester of their 9th grade year. However, once the weekly eligibility program begins, the 9th grade student must pass a minimum of five (5) full credit courses on a weekly basis, with no unexcused classroom absences. Continued participation will require a student carrying one (1) failing grade to attend mandatory tutoring on a weekly basis.

4. For students receiving services under the IDEA or Section 504 of the Rehabilitation Act of 1973, their IEP or 504 plans will be reviewed for proper implementation prior to determining ineligibility.

*A full credit course is defined as a course for which a student receives 1.0 credit.

INELIGIBILITY PERIOD
In accordance with I.H.S.A. policy, the ineligibility period for failing to pass five (5) weekly classes will begin the following calendar week, Sunday – Saturday. For example, the grade report shows a student is not passing five (5) courses on Thursday, this student is ineligible to compete the following Sunday-Saturday. The student may continue to compete for the remainder of the week they become ineligible. While ineligible, student may continue to practice with their team but may not dress for any co-curricular activity, scrimmage, exhibition match, etc.

MANDATORY LUNCH TUTORIAL FOR INELIGIBLE STUDENTS
Ineligible students in grades nine (9) through twelve (12) must attend four (4) tutoring sessions during the week of ineligibility. If a student fails to attend four (4) tutoring sessions during the week of ineligibility, that student remains ineligible the following week even if the student may be passing five (5) classes.

Ineligible students in grades six (6) through eight (8) must attend three (3) tutoring sessions during the week of ineligibility. If a student fails to attend three (3) tutoring sessions during the week of ineligibility, that student remains ineligible the following week even if the student may be passing five (5) classes.

MANDATORY LUNCH TUTORIAL FOR ELIGIBLE STUDENTS WITH ONE (1) F
Students in grades nine (9) through twelve (12) who are passing five (5) classes and carrying a failing grade in a sixth (6th) class must attend four (4) tutoring sessions during the following week. If a student carrying one (1) F fails to attend four (4) tutoring sessions during the required week of tutoring, that student becomes ineligible the following week even if the student may be passing five (5) classes.

Students in grades six (6) through eight (8) who are passing five (5) classes and carrying a failing grade in a sixth (6th) class must attend three (3) tutoring sessions during the following week. If a student carrying one (1) F fails to attend three (3) tutoring sessions during the required week of tutoring, that student becomes ineligible the following week even if the student may be passing five (5) classes.
NCAA DIVISION I INITIAL-ELIGIBILITY REQUIREMENTS

CORE COURSES: 16

- **Initial full-time collegiate enrollment before August 1, 2016:**
  - 16 core courses are required (see chart below for subject-area requirements)
- **Initial full-time collegiate enrollment on or after August 16, 2016:**
  - 16 core courses are required (see chart below for subject-area requirements)
    - 10 core courses completed before the 7th semester; 7 of the 10 must be in English, math or natural/physical science
    - These courses/grades are “locked in” at start of the 7th semester (cannot be repeated for grade-point average (GPA) improvement to meet initial-eligibility requirements for competition).

- **Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements (see below).**

TEST SCORES: (ACT/SAT)

- Students must present a corresponding test score and core-course GPA on the sliding scale (see chart p. 87).
  - **SAT:** critical reading and math sections.
    - Best subscore from each section is used to determine the SAT combined score for initial eligibility.
  - **ACT:** English, math, reading and science sections.
    - Best subscore from each section is used to determine the ACT sum score for initial eligibility.

- All ACT and SAT attempts before initial full-time collegiate enrollment may be used for initial eligibility.
- Enter 9999 during ACT or SAT registration to ensure the testing agency reports your score directly to the NCAA Eligibility Center. Test scores on transcripts will not be used.

CORE GRADE-POINT AVERAGE:

- Only core courses that appear on the high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.

- **Initial full-time collegiate enrollment before August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale A (see Page No. 2).
  - Core-course GPA is calculated using the best 16 core courses that meet subject-area requirements.

- **Initial full-time collegiate enrollment on or after August 1, 2016:**
  - Students must present a corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
  - Core-course GPA is calculated using the best 16 core courses that meet both progression (10 before seventh semester; seven in English, math or science; “locked in”) and subject-area requirements.

---

**DIVISION I Core-Course Requirement (16)**

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<th>Requirement</th>
<th>Units</th>
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<tr>
<td>3 years of math</td>
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</tr>
<tr>
<td>2 years of natural/physical science</td>
<td></td>
</tr>
<tr>
<td>1 year of additional English, math or natural/physical science</td>
<td></td>
</tr>
<tr>
<td>2 years of social science</td>
<td></td>
</tr>
<tr>
<td>4 years of additional courses</td>
<td></td>
</tr>
</tbody>
</table>

**DIVISION I – 2016 Qualifier Requirements**

- 16 core courses
  - Ten (10) core courses completed before the start of the seventh semester. Seven (7) of the 10 must be in English, math or natural/physical science
  - “Locked in” for core-course GPA calculation.
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.300) on Sliding Scale B (see Page No. 2).
- Graduate from high school.

**DIVISION I – 2016 Academic Redshirt Requirements**

- 16 core courses
  - No grades/credits “locked in” (repeated courses after the seventh semester begins may be used for initial eligibility).
- Corresponding test score (ACT sum score or SAT combined score) and core-course GPA (minimum 2.000) on Sliding Scale B (see Page No. 2).
- Graduate from high school.
# NCAA Quick Reference Guide

## Sliding Scale A
*Use for Division I prior to August 1, 2016*

<table>
<thead>
<tr>
<th>NCAA Division I Sliding Scale</th>
<th>Core GPA</th>
<th>SAT</th>
<th>ACT Sum</th>
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## Sliding Scale B
*Use for Division I beginning August 1, 2016*

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</tbody>
</table>

For more information, visit the NCAA Eligibility Center: eligibilitycenter.org.
DIVISION II INITIAL-ELIGIBILITY REQUIREMENTS

CORE COURSES: 16
- Division II currently requires 16 core courses. See chart below.
- Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.

TEST SCORES: (ACT/SAT)
- Division II currently requires a minimum SAT score of 820 or an ACT sum score of 68.
- Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). The sliding scale for those requirements is shown on Page No. 2 of this sheet.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

CORE GRADE-POINT AVERAGE:
- Be sure to look at your high school’s List of NCAA Courses on the NCAA Eligibility Center’s website (www.eligibilitycenter.org). Only courses that appear on your school’s approved List of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- The current Division II core GPA requirement is a minimum of 2.000. Division II core GPA required to be eligible for competition on or after August 1, 2018, is 2.200 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018, is 2.000 (corresponding test-score requirements are listed on the Sliding Scale on Page No. 2 of this sheet).
- Remember, the NCAA core GPA is calculated using NCAA core courses only.

For more information, visit the NCAA Eligibility Center: eligibilitycenter.org.

<table>
<thead>
<tr>
<th>DIVISION II 16 Core Courses</th>
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</thead>
<tbody>
<tr>
<td>3 years of English.</td>
</tr>
<tr>
<td>2 years of mathematics (Algebra I or higher).</td>
</tr>
<tr>
<td>2 years of natural/physical science (1 year of lab if offered by high school).</td>
</tr>
<tr>
<td>3 years of additional English, mathematics or natural/physical science.</td>
</tr>
<tr>
<td>2 years of social science.</td>
</tr>
<tr>
<td>4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).</td>
</tr>
</tbody>
</table>
### NCAA Quick Reference Guide

#### Division II Competition Sliding Scale

*Use for Division II beginning August 1, 2018*

<table>
<thead>
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<th>Core GPA</th>
<th>SAT Verbal and Math ONLY</th>
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</tr>
</thead>
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#### Division II Partial Qualifier Sliding Scale

*Use for Division II beginning August 1, 2018*

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NCAA Quick Reference Guide

ROCKFORD PUBLIC SCHOOLS
NCAA APPROVED CORE COURSES

ENGLISH
- AP English 11 Lang and Comp
- AP English 12 Lit and Comp
- Creative Writing
- English 10
- English 11
- English 12
- English 9
- English 12 Capstone
- Honors English 10
- Honors English 9
- Mystery
- Poetry
- Renaissance AP English 11 Lang & Comp
- Renaissance AP English 11 Lang & Comp
- Renaissance Gifted Creative Writing
- Renaissance Gifted English 12
- Renaissance Gifted English 9
- Speech Communication
- Speech I
- Speech II
- Renaissance Gifted College Algebra
- Renaissance Gifted Trigonometry
- Trigonometry

SOCIAL SCIENCE
- AP Comparative Government and Politics
- AP European History
- AP Human Geography
- AP Macro Economics
- AP Micro Economics
- AP Psychology
- AP US Government and Politics
- AP US History
- AP World History
- Criminal Law
- Economics
- Honors World History
- Latin American History
- Newcomer Social Studies
- Psychology
- Renaissance Gifted AP US History
- Renaissance Gifted World History
- Sociology
- United States History
- US Government and Politics
- World Affair
- World Geography
- World History

MATHEMATICS
- Geometry
- Algebra 3/Trigonometry
- Algebra 1
- Algebra 1/H
- Algebra 2
- Algebra 3
- AP Calc AB
- AP Calc BC
- AP Statistics
- Arabic Bilingual Algebra
- Arabic Bilingual Geometry
- Calculus 3-4
- College Algebra 1-2
- Geometry 102
- Honors Geometry 102
- Intro to Stats
- Pre-Calculus 1-2
- Renaissance Gifted College Algebra
- Biology 102
- Chemistry 102
- Conceptual Chemistry 102
- Conceptual Physics 1-2
- Environmental Science
- ESC1-Geology & Oceanography
- ESC12-Astronomy & Meteorology
- Honors Biology 1-2
- Honors Chemistry 102
- Microbiology
- Organic Chemistry
- Physical Science 102
- Physics 102
- Renaissance Gifted Advanced Biology
- Renaissance Gifted Chemistry
- Renaissance Gifted Physics
- Zoology 1-2

ADDITIONAL CORE COURSES
- AP French
- AP Spanish Language
- French 1
- French 2
- French 3
- French 4
- French 5
- Sign Language 1
- Sign Language 2
- Sign Language 3
- Sign Language 4
- Spanish 1
- Spanish 2
- Spanish 3
- Spanish 4
- Spanish 5
- Spanish for Native Speakers 2
- Spanish for Native Speakers 1

NATURAL/PHYSICAL SCIENCE
- Aerospace I, II
- Anatomy/Physiology
- AP Biology
- AP Chemistry
- AP Comp Science A
- AP Environmental Science
- AP Physics
- AP Physics 2
- Arabic Bilingual Biology
- Arabic Bilingual Chemistry
- Arabic Bilingual Physical Science
We are pleased to inform you that Rockford Public Schools is making CoreCourseGPA.com, a web-based software program, available to all student-athletes and their parents/guardians free of charge.

If your child has aspirations of competing athletically as a freshman at an NCAA Division I or Division II school, they must meet NCAA Initial-Eligibility minimum standards, including minimum core course GPA and SAT/ACT test score requirements. CoreCourseGPA.com is an innovative tool that allows you to easily track your son or daughter’s progress towards meeting these requirements, beginning as soon as the first semester of their freshman year.

To activate your child’s CoreCourseGPA.com membership, follow these simple steps:

1. Go to www.CoreCourseGPA.com
2. Click on “Free New Member Account” in the upper left corner and enter the School ID and School Code:
   - Students/Parents:
     - School ID: 143703
     - School Code: 797267501
3. Click “Continue.”
4. Fill in the appropriate fields in the Create New Student Account form.
   **Remember to write down the new Member Name and Password you have created**
5. Click “Submit.”
   Congratulations! You have successfully created your CoreCourseGPA.com member account.

To login to your member account and begin using the CoreCourseGPA.com software, follow these simple steps:

1. Go to www.CoreCourseGPA.com
2. Click the “Member Login” button in the upper right corner
3. Enter your Member Name and Password
   **Use the Member Name and Password you created during the account activation process**
4. Click “Login.”

CoreCourseGPA.com incorporates the NCAA recognized core courses for RPS 205 into the online course entry forms, calculates BOTH Division I and Division II core course GPA, automatically factors weighted grades into calculations and tracks course requirements for BOTH Division I and Division II. Your son or daughter’s core course information is saved for the duration of their high school career.

RPS 205 is proud to make this innovative software available to you free of charge. We believe CoreCourseGPA.com will be a very useful academic tool for you and your student-athlete.

CoreCourseGPA.com also provides you access to free recruiting webinars through FreeRecruitingWebinar.org, a nonprofit program. Webinar previews as well as full length recruiting webinars may be accessed on the FreeRecruitingWebinar.org website. Viewing a full length webinar is highly recommended to learn about the facts and rules of recruiting. The recruiting process starts in the freshman year. Make sure you are prepared.

IT IS IMPORTANT TO NOTE THAT YOUR USE OF CORECOURSEGPA.COM IS NOT A SUBSTITUTE FOR REGISTERING WITH THE NCAA ELIGIBILITY CENTER AFTER THE COMPLETION OF SIX HIGH SCHOOL SEMESTERS.
Bilingual Education Programs

These programs are offered at selected schools. Please contact your guidance counselor for more information on which schools are offering which programs.

TRANSITIONAL BILINGUAL EDUCATION (TBE)
Students whose first language is Spanish and have scored below a 4.2 in reading and writing and below a 5.0 Composite on either the state mandated ACCESS test or W-APT screener qualifies for bilingual services. Bilingual coursework is offered in two types: Bilingual and Sheltered Instruction. Bilingual classes are offered in all academic core content classes. Those students scoring below 2.9 Composite score on the ACCESS, MODEL test or W-APT screener are placed in these classes. Instruction is primarily given in Spanish.

Sheltered Classes are offered in core classes as well. Students who score a 2.9 and above composite on the ACCESS, MODEL or WAPT screener and a 3.5 or above Literacy score are usually placed in sheltered classes. These classes utilize the general education materials as well as supplemental materials. The language of instruction is primarily in English with Spanish support as necessary. The goal of these classes is to acquire academic literacy in content areas.

TRANSITIONAL PROGRAMS OF INSTRUCTION (TPI)
Students whose first language is other than English or Spanish and have scored below a 4.2 in reading and writing, along with a 5.0 composite on either the state mandated ACCESS test or W-APT screener also qualify for bilingual services in the form of sheltered instruction where the teacher uses ESL techniques to make the content comprehensible. These classes utilize the general education materials and the language of instruction is primarily in English. The goal of these classes is to acquire academic literacy in content areas.

PROGRAM REQUIREMENTS
Students in the TBE and TPI program are required to take English as a Second Language (ESL). Students are placed in an ESL class depending on their level of English proficiency. ESL classes, students improve their listening, speaking, reading, and writing English skills. Courses in ESL shall count toward English requirements for graduation. Students that are in the TBE program are also required to take Spanish Language Arts classes. Spanish Language Arts is a standards based course aligned to the common core and Spanish Language Arts Standards. Students are placed in Spanish Language Arts classes based on their year in school. Students in the TPI program are required to take Sheltered Literacy classes. Sheltered Literacy is designed to assist students advance their English reading and writing skills. Sheltered literacy is a standards based course aligned to the common core and the English Language Development Standards. Students are placed in Sheltered Literacy classes based on their year in school.

NEWCOMER PROGRAM
The Newcomer Program is offered for English Language Learners who have recently arrived to the United States (Spanish speakers enroll in the TBE Program). It is specifically designed for those who have very limited English skills, limited formal education, and limited literacy skills in their native language. Newcomer classes are offered in all core academic content areas. Newcomer ESL is a double block language arts course and shall count toward English requirements for graduation. The newcomer classes are intended to provide intensive language and content instruction as well as acculturation to prepare students to succeed in TPI courses. These students remain in the newcomer program for one academic school year and a session of summer school and are then placed in the TPI program.
Bilingual Education Programs

HONORS AND ADVANCED PLACEMENT
Students in the ELL program have the opportunity to enroll in Honors and AP courses when they meet pre-requisite criteria for such courses. For more information please consult the AP and Honors sections of this guide or speak with your guidance counselor.

BILINGUAL RESOURCE
Bilingual resource classes are designed specifically for support in the native language. This is for ELL students in grades 9-12. These courses provide additional opportunities for students to reinforce conceptual knowledge and language skills across curriculum. The course is structured to ensure individualized support to students who share the same home language, using that language to deepen understanding of the material that was introduced in their content area classes.

The following is a list of the courses offered in the bilingual program. For course descriptions please see the general education section of this guide.

HISTORY
30303 Bilingual World History 1 & 2
30306 Bilingual World Geography
30309 Bilingual U.S. History
30313 Bilingual Government
30314 Bilingual Economics

MATHEMATICS
30116 Bilingual Algebra 1 Foundations
30406 Bilingual Algebra 1
30433 Bilingual Pre-Algebra
30412 Bilingual Algebra 2
30126 Bilingual Geometry Foundations
30409 Bilingual Geometry
30418 Bilingual Intro to Statistics through Applications

SCIENCE
30500 Bilingual Biology
30701 Bilingual Health
30506 Bilingual Physical Science
30522 Bilingual Environmental Science
30520 Bilingual Earth Science 1 - Geology & Oceanography
30521 Bilingual Earth Science 2 - Astronomy & Meteorology
30510 Bilingual Chemistry
30600 Bilingual Intro to Business & Technology Concepts 1-2
30204 Bilingual Freshman Seminar

SPANISH LANGUAGE ARTS
30101 Spanish Language Arts 1
30103 Spanish Language Arts 2
30106 Spanish Language Arts 3
30109 Spanish Language Arts 4
# Bilingual Education Programs

## SHELTERED CLASSES

### HISTORY
- 31301 Sheltered World History 1 & 2
- 31306 Sheltered World Geography
- 31309 Sheltered U.S. History
- 31313 Sheltered Government
- 31314 Sheltered Economics

### MATHEMATICS
- 31116 Sheltered Algebra 1 Foundations
- 31406 Sheltered Algebra 1
- 31433 Sheltered Pre-Algebra
- 31412 Sheltered Algebra 2
- 31126 Sheltered Geometry Foundations
- 31409 Sheltered Geometry
- 31418 Sheltered Introduction to Statistics through Applications
- 31106 Sheltered Math Topics

### SCIENCE
- 31500 Sheltered Biology
- 31701 Sheltered Health
- 31506 Sheltered Physical Science
- 31522 Sheltered Environmental Science
- 31520 Sheltered Earth Science 1 - Geology & Oceanography
- 31521 Sheltered Earth Science 2 - Astronomy & Meteorology
- 31510 Sheltered Chemistry
- 31600 Sheltered Intro to Business & Technology Concepts 1-2
- 31204 Sheltered Freshman Seminar

### LANGUAGE ARTS
- 31050 Sheltered Literacy 1
- 31053 Sheltered Literacy 2
- 31056 Sheltered Literacy 3
- 31059 Sheltered Literacy 4
- 32133 Newcomer ESL
- 32330 Newcomer Social Studies
- 32530 Newcomer Science
- 32430 Newcomer Pre-Algebra
- 31033 Sheltered Resource
- 33127 ESL English 1
- 33148 ESL English 2
- 33133 ESL English 3
- 33136 ESL English 4
- 33139 ESL English 5
- 33145 ESL English 6
- 33151 ESL English 7
- 33154 ESL English 8
Dual credit courses are offered in order to provide students access to rigorous course options aligned with the post-secondary plans. Courses on this list are approved District 205/Rock Valley College Dual Credit courses. If you enroll in and complete the RVC course(s) listed on the left at Rock Valley College, you will receive high school credit for the corresponding course on the right. Students are responsible for all course tuition, associated fees, and the cost of books. Students should work with their school counselor to obtain a Dual Credit/Dual Enrollment Agreement form. The signed enrollment packet should be submitted to the RVC High School Connections Office.

<table>
<thead>
<tr>
<th>Course taken at Rock Valley College</th>
<th>RVC Credits</th>
<th>District 205 Course</th>
<th>HS Credits</th>
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<tr>
<td><strong>MATH</strong></td>
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<tr>
<td>MTH 120: College Algebra</td>
<td>3</td>
<td>13400U: College Algebra</td>
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</tr>
<tr>
<td>MTH 125: Plane Trigonometry (prereq MTH 120)</td>
<td>3</td>
<td>13412U: Trigonometry</td>
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<tr>
<td>MTH 132: Pre-Calculus</td>
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<td>13330U: Pre-Calculus</td>
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<td>MTH 135: Calculus I (prereq MTH 120 &amp; 125 or 132)</td>
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<td>13462U: Calculus I</td>
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<td>MTH 235: Calculus II (prereq MTH 135)</td>
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<td>13463U: Calculus II</td>
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<td>MTH 236: Calculus III (prereq MTH 235)</td>
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<td>13464U: Calculus III</td>
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<tr>
<td>MTH 220: Elements of Statistics</td>
<td>3</td>
<td>13423U: Elements of Statistics</td>
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<td><strong>SCIENCE</strong></td>
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<tr>
<td>BIO 103: Introductory Life Sciences</td>
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<td>14220U: Introductory Life Sciences</td>
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<td>BIO 104: Introductory Life Science Lab</td>
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<td>14221U: Life Sciences Lab</td>
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<td>CHM120: General Chemistry I (prereq MTH 120 + HS Chem)</td>
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<td>14320U: General Chemistry I</td>
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<td>PHY 201: Mechanics and Heat (prereq MTH 125)</td>
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<td>14422U: Physics: Mechanics and Heat</td>
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<tr>
<td>PHY 202: Waves, Electricity, and Modern Physics (prereq PHY 201)</td>
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<td>14423U: Physics: Waves, Electricity, and Modern Physics</td>
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<tr>
<td>BIO 185: Foundations of Anatomy and Physiology (prereq BIO 103 &amp; CHM 120)</td>
<td>5</td>
<td>14603U: Anatomy &amp; Physiology</td>
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<td><strong>ENGLISH &amp; LANGUAGE ARTS</strong></td>
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<tr>
<td>ENG 101: Composition I</td>
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<td>10300U: English 11 ** OR 10400U: English 12</td>
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<tr>
<td>ENG 103: Composition II</td>
<td>3</td>
<td>10400U: English 12</td>
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<tr>
<td>SPH 131: Fundamentals of Communication</td>
<td>3</td>
<td>10640U: Speech 1-2</td>
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<td>SPH 132: Public Speaking</td>
<td>3</td>
<td>10643U: Speech 3-4</td>
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# Rock Valley College Dual Credit

*Students are responsible for all course tuition, associated fees, and the cost of books.*

<table>
<thead>
<tr>
<th>SOCIAL STUDIES</th>
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<th>12150U: US History pre 1865</th>
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<td>HST 143: US Post 1865</td>
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<td>12151U: US History post 1865</td>
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<td>ECO 101: Introduction to Economics</td>
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<td>12222U: Introduction to Economics</td>
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<td>PSC 160: Government</td>
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<td>12219U: Government</td>
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<td>PSY 170: General Psychology</td>
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<td>12400U: Psychology</td>
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<td>SOC 190: Introduction to Sociology</td>
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<td>12410U: Sociology</td>
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<tr>
<td>FRN 102: Continuation of Beginning French (prereq FRN 101)</td>
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<td>11303U: French 2</td>
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<td>FRN 203: Intermediate French</td>
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<td>11306U: French 3</td>
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<td>FRN 204: Continuation of Intermediate French</td>
<td>3</td>
<td>11309U: French 4</td>
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<tr>
<td>SPN 102: Continuation of Beginning Spanish (prereq SPN 101)</td>
<td>4</td>
<td>11103U: Spanish 2</td>
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<tr>
<td>SPN 203: Intermediate Spanish</td>
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<td>11106U: Spanish 3</td>
<td>2</td>
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<td>SPN 204: Continuation of Intermediate Spanish</td>
<td>3</td>
<td>11109U: Spanish 4</td>
<td>2</td>
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<tr>
<td>GRM 102: Continuation of Beginning German (prereq GRM 101)</td>
<td>4</td>
<td>11203U: German 2</td>
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<th>FINE ARTS</th>
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<tr>
<td>ART 115: Introduction to Commercial Arts</td>
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<td>15123U: Graphic Design</td>
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<tr>
<td>ART 251: History of Art I</td>
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<td>15112U: History of Art I</td>
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<tr>
<td>ART 252: History of Art II</td>
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<td>15116U: History of Art II</td>
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<th>COMPUTER TECHNOLOGY</th>
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<tr>
<td>PCT 120: Cisco Networking I (prereq CIS 102)</td>
<td>4</td>
<td>21213U: Cisco Networking I</td>
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<tr>
<td>PCT 122: Cisco Networking II</td>
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<td>21214U: Cisco Networking II</td>
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<tr>
<td>PCT 124: Cisco Networking III</td>
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<td>21215U: Cisco Networking III</td>
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<tr>
<td>PCT 126: Cisco Networking IV</td>
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<td>21216U: Cisco Networking IV</td>
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<tr>
<td>WEB 101: Programming Related to the Web (prereq CIS 102)</td>
<td>4</td>
<td>15129U: Fundamentals of Web Design</td>
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<tr>
<td>CIS 240: Intro to JAVA Programming (prereq CIS 102)</td>
<td>4</td>
<td>13440U: Computer Science A</td>
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* Eligible for Quality Points for the 2016-2017 school year

**NOTE:** Students are responsible for submitting an official grade report to their home high school upon course completion to receive high school credit.
English/Language Arts

<table>
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<tr>
<th>Course</th>
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<td>X</td>
</tr>
<tr>
<td>AP Language &amp; Composition</td>
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<tr>
<td>English 12</td>
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<td>X</td>
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<tr>
<td>English 12 Capstone</td>
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<tr>
<td>AP Literature &amp; Composition</td>
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</table>

**YEAR LONG COURSES**

**ENGLISH 9 (10100):** This is a writing-intensive course designed to develop students’ skills in critical reading and writing, speaking, and listening. The course is standards-based and thematically organized around a variety of texts – print and non-print, fiction and nonfiction. Within each unit, students will participate in full-class studies of core works in addition to opportunities for small group and independent study. Writing instruction will build skills in argumentation in addition to source-based writing, grammar, mechanics, style, and usage. Instruction in critical reading will include strategies to engage with text.

**HONORS ENGLISH 9 (10103):** This writing-intensive, standards-based course is designed to provide students with an intense and enriched curriculum of the English language arts: reading literature, reading informational texts, writing, speaking and listening, and the use of language, including grammar and mechanics. Students will research, write, and present extensively using sources from multiple types of media. Using a variety of texts and using critical reading and writing skills, students will be engaged through real-world applications and projects.

**ENGLISH 10 (10200):** This is a writing-intensive course designed to build on students’ skills in critical reading and writing, speaking, and listening. The course is standards-based and thematically organized around a variety of texts – print and non-print, fiction and nonfiction. Within each unit, students will participate in full-class studies of core works in addition to opportunities for small group and independent study. Writing instruction will continue to focus on skills in argumentation in addition to source-based writing, grammar, and usage; students will begin to engage in rhetorical analysis and synthesis. Instruction in critical reading will include strategies to engage with text.

**HONORS ENGLISH 10 (10203):** This writing-intensive, standards-based course is designed to provide students with an intense and enriched curriculum of the English language arts: reading literature, reading informational texts, writing, speaking and listening, and the use of language. Students will research, write, and present extensively using sources from multiple types of media. Using a variety of texts and using critical reading and writing, students will be engaged in argumentation and source-based writing as preparation for Advanced Placement English 11 Language and Composition.
ENGLISH 11 (10300): This writing-intensive, standards-based course is a study of the American experience, spanning from the colonial period to the present. In addition to developing an appreciation for our literary heritage and understanding our relationship to American history and culture, students will implement critical reading strategies to engage with increasingly complex texts – both print and non-print, fiction and nonfiction. Students will also learn to write increasingly sophisticated arguments and informational essays, in addition to furthering their study of language and usage, speaking and listening, and research.

*AP ENGLISH LANGUAGE AND COMPOSITION (10306): This writing-intensive course is designed for students seeking a deeper knowledge of language to become highly skilled readers and writers. The students in this course will engage in rhetorical analysis, deepening their understanding of rhetorical conventions, audience, purpose, and use of language, and their impact on writing. Students in Advanced Placement courses will be prepared for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college courses. Students will prepare for the AP exam in Language and Composition. *quality points/weighted grade

ENGLISH 12 (10400): This writing-intensive, standards-based course is a study of classic and contemporary literature. In addition to developing an appreciation for a variety of cultures, students will implement critical reading strategies to engage with increasingly complex texts – both print and non-print, fiction and nonfiction. Students will also learn to write increasingly sophisticated arguments and informational essays, in addition to furthering their study of language and usage, speaking and listening, and research.

ENGLISH 12 CAPSTONE (10409): This writing-intensive course integrates a capstone project that provides students the opportunity to enhance their 21st Century skills—in particular creativity, communication, collaboration, critical thinking, and problem solving—through a deep research and writing experience in an academic or career interest addressing a real-world need or problem. This capstone project is comprised of developing a proposal; conducting research; assembling a project, event, or concept; and presenting the final product. This course represents the highest level of scholarships that integrates academic research and college and career readiness.

*AP ENGLISH LITERATURE AND COMPOSITION (10406): This course engages students in the careful reading and critical analysis of world literature. Through close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for readers. As they read, students consider a work’s structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students in Advanced Placement courses will be prepared for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college courses. Students will prepare for the AP exam in Literature and Composition. *quality points/weighted grade

ELECTIVES

CREATIVE WRITING (10680): Grade Level: 10-12. One semester. Creative writing seeks to move beyond using language as merely a tool of communication; rather, students will learn to use language as an instrument to express their unique and individual voices. This semester-long elective course is designed for students who love reading and have an interest in writing poetry and short fiction. As we read published poems and short stories, we’ll work on exercises to stimulate creativity. We’ll focus first on playing with language and breaking down barriers to writing. Because writing is a process of revision, we’ll learn how to critique others’ work and accept critiques of our own work. In so doing, we become not only more critical writers, but also more critical readers.

MYSTERY (10681): Grade Level: 11-12. One semester. This elective course explores the reasoning and clinical research of mystery literary works. Students learn to analyze, synthesize, and evaluate diagnostic data, forensic information, and geographical elements as they pertain to a specific mystery. The course requires extensive reading, scientific data inquiry, research, and writing.
POETRY (10682): Grade Level: 11-12. One semester. This elective course is designed for students who want to gain an appreciation for poetry and have an interest in reading, writing, and publishing poetry. Students will examine published poetry from various periods, produce their own poetry, critique other’s work, and learn the steps to submit poems for publication and/or contests.

INTRODUCTION TO JOURNALISM (10613): Grade level 9-11. One semester. This course will focus on content and skills in student press law, media responsibility, evaluating newsworthiness, interviewing and information gathering, copy writing (news, features, editorials, reviews, blogging, headlines, captions), and copy editing. Students will be able to: evaluate press law and news judgment standards to generate newsworthy topics, gather and evaluate newsworthy information and content, analyze credibility and integrity in journalism, write and publish various genres of effective journalistic copy, and edit various genres of effective journalistic copy for publication. This is an introductory course that can be taken singularly or in addition to Introduction to Desktop Publishing or Introduction to Photography (see below). Students who aspire to become editors of the school’s publications are encouraged to take all three electives. Students are encouraged to follow these introductory courses with Yearbook, Newspaper, and/or Graphic Design.

INTRODUCTION TO DESKTOP PUBLISHING (10614): Grade level 9-11. One semester. This course will give students experience creating publishable documents and materials using computer technology. The focus is on layout and design concepts using industry standard computer software. Students will be able to: use visual rhetoric to evaluate and design aesthetic layouts, use textual and graphic elements together to convey a cohesive, effective message, and use industry standard programs to create and publish various materials. This is an introductory course that can be taken singularly or in addition to Introduction to Journalism or Introduction to Photography (see below). Students who aspire to become editors of the school’s publications are encouraged to take all three electives. Students are encouraged to follow these introductory courses with Yearbook, Newspaper, and/or Graphic Design.

INTRODUCTION TO PHOTOGRAPHY (10615): Grade level 9-11. One semester. This course will teach skills in various areas of photography, as well as basic photo-editing concepts and ethical considerations. Students will be able to: apply photography composition standards while taking pictures, take effective photographs for a variety of purposes: photojournalism, feature photography, event photography, portrait photography, and candid photography, use digital technology to edit pictures for professional use, and apply ethical considerations and standards while taking and editing pictures. This is an introductory course that can be taken singularly or in addition to Introduction to Desktop Publishing or Introduction to Journalism. Students who aspire to become editors of the school’s publications are encouraged to take all three electives. Students are encouraged to follow these introductory courses with Yearbook, Newspaper, and/or Graphic Design.

NEWSPAPER (10610): Grade Level: 10-12. Lab fee required. Year long. Students will learn and participate in the actual process of publishing the school newspaper. Writing, editing, and publishing skills are learned and used. Course must be taken both semesters of the same year and may be repeated.

YEARBOOK (10620): Grade Level: 10-12. Lab fee required. Year long. This course must be taken both semesters of the same year. The objective of the class is to produce a yearbook by using the skills of layout design, copy-writing, photo shooting and cropping, ad sales, and use of computers to generate yearbook pages. This course may be repeated. Occasional evening and weekend meetings may be required. The specific objective of this class is to utilize skills learned in News-writing to produce a yearbook for the school and community. This course is not a substitute for traditional English classes.
SPEECH COMMUNICATION (10684): Grade Level: 9-12. One semester. This elective course is designed to provide students with the valuable tool of successful oral expression. Not only does the possession of this skill provide the student with an improved means of communication that will be useful in both professional and personal lives, but also in developing the confidence that will enable the student to present himself successfully. Students will develop listening skills as well as speaking skills in the area of impromptu, informational, persuasive, demonstration speeches and oral interpretation.

SPEECH I (10640): Grade Level: 10-12. Year long. Students will learn to communicate effectively through informative and persuasive styles using a wide variety of experiences. Techniques will be taught using informational speeches, original skits, oral interpretation of literature, interviewing, use of visual aids, debates and other projects. Students will develop listening skills and learn techniques to deal with stage fright and build confidence. NOTE: This is not a course in speech correction or a substitute for English.

SPEECH II (10643): Grade Level: 10-12. Year long. Pre-requisite: Speech I or teacher recommendation. Advanced speech students learn about radio broadcasting and participate in more challenging informational speeches and skits, culminating in both dramatic and comic performances in the Speech Showcase.

SUPPORT CLASSES

CORE LITERACY-PLUGGED-IN TO READING (10220): Grade Level: 9. Year long. Plugged-In to Reading is an intervention program for students reading below grade level. The program teaches effective strategies to comprehend textbooks across content areas along with reading and writing in a variety of non-fiction text types. It is a 3-step instructional model that gradually releases students to become active, engaged and capable readers. Context/specialized vocabulary, text features and structures, monitoring understanding of what is read, previewing text, activation of background knowledge, questioning, noting, organizing and retrieving information from text are practiced learning strategies. This course is to be taken concurrently with an English course.

CORE LITERACY-READ 180 (10223): Grade Level: 9. Year long. Read 180 is a comprehensive system intervention program designed for students to accelerate reading growth and literacy independence. This program is for students reading below grade level. The academic areas of focus are reading (including phonological awareness, phonics/word study, comprehension, fluency, and expanding vocabulary), spelling, sentence construction, and planning and revising. Read 180 is designed to maximize student engagement with technology, text, teacher instruction/modeling and peer reflection. This course is to be taken concurrently with an English course.

CORE LITERACY-SYSTEM 44 (10226): Grade Level: 9. Year long. Literacy System 44 is an intervention program that meets individual student needs through the systematic instruction in phonemic awareness, phonics, vocabulary, word analysis, spelling and fluency to improve reading skills. Direct teacher instruction guides and reinforces phonics and word strategies while adaptive technology provides individualized practice. This course is to be taken concurrently with an English course.

ENGLISH/READING ACT VICTORY (10310): Grade 11 only. One semester. Students will be identified and recommended for this class based on the PLAN scores from grade 10. This is a one semester course designed to increase ACT achievement using Cambridge Victory Program.
Math

YEAR LONG COURSES

ALGEBRA 1 (13110): This course is a comprehensive algebra course that lays the foundation for all other high school math courses. The topics are fully aligned to Common Core and build on quantitative reasoning and number sense to understanding linear, exponential, and quadratic equations along with statistics, probability, and an introduction into coordinate geometry.

HONORS ALGEBRA 1(13113): This course extends the learning of the Algebra 1 course by incorporating mathematical modeling. The topics are fully aligned to Common Core and build on quantitative reasoning and number sense to understanding linear, exponential, and quadratic equations along with statistics, probability, and an emphasis on inductive and numerical reason.

GEOMETRY (13120): Prerequisite: Algebra 1 or Honors Algebra 1. This course builds on the Algebra 1 skills with application of geometric principles to the physical world. The topics are fully aligned to Common Core and include coordinate geometry, plane geometry, along with an emphasis on inductive and numerical reason.

COLLEGE ALGEBRA (13400): Prerequisites: Algebra 1 and Geometry. This course presents a brief review of Algebra including basic terminology, notations, concepts, and skills. It introduces algebraic proof, complex numbers, absolute value and quadratic inequalities, determinants and matrices, conic sections, polynomial equations, sequences and series, math induction, and binomial theorem.

HONORS GEOMETRY (13123): Prerequisite: Algebra 1 or Honors Algebra 1. This course extends the learning of the Geometry course by incorporating mathematical modeling. This course builds on the Algebra 1 skills with application of geometric principles to the physical world. The topics are fully aligned to Common Core and include coordinate geometry, plane geometry, along with an emphasis on inductive and numerical reason.

ALGEBRA 2 (13300): Prerequisite: Algebra 1 and Geometry. This course is a second year algebra course expanding concepts from Algebra 1 and introducing synthetic division, absolute value equations and inequalities, quadratic inequalities, determinants and matrices, and conic sections.
ALGEBRA 3/TRIGONOMETRY (13410): Prerequisite: Algebra 2. This is a course which extends topics from Algebra 2 and introduces polynomial equations, sequences and series, math induction, and the binomial theorem. Trigonometry covers right and oblique triangles, logarithms, trigonometric and inverse functions, trigonometric identities and equations, and radian measure.

PRECALCULUS (13330): Prerequisite: Algebra 2 or College Algebra. A course in the study of algebraic, exponential, logarithmic, and trigonometric functions and their graphs. It contains investigations of the conic sections, transformations, parametric equations, and analytic proof along with the study of right and oblique triangles including identities, equations, radian measure, vectors and polar coordinates.

*AP CALCULUS AB (13436): Prerequisite: Pre-Calculus. This is an advanced placement course in calculus. Topics included are parametric and polar equations, analytic geometry of three dimensions, vectors, partial derivatives, multiple integrals, vector calculus, and differential equations.

*AP CALCULUS BC (13433): Prerequisite: Calculus AB. Recommended for a 4 year college and majoring in a math field. An advanced placement course in calculus stressing graphical, numerical and algebraic analysis of the calculus of single variable functions. In addition to the topics covered in Calc AB the topics of parametric, polar, and vector functions, their applications, applications of integrals, partial derivatives and polynomial approximations and series are also covered.

MATH TOPICS (13106): Prerequisites: Algebra 1 and Geometry. This is a full year course that extends and reinforces Algebra and Geometry skills in an application based format. Students will gain mathematical literacy by learning how mathematics is applied in everyday life.

INTRODUCTION TO STATISTICS (13420): Prerequisite: Algebra 1. This course acquaints students with the basic ideas and language of statistics. It introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data that is provided or data that students obtain from experiments or surveys. Students use exploratory methods to identify patterns and make decisions to solve real-life problems.

*AP STATISTICS (13426): Prerequisite: College Algebra, Intro to Stats, or Algebra 2w/teacher recommendation. This is intended for students interested in life science, nursing, social science, or statistics. Students will master the fundamental skills of statistics such as: interpreting data, applying probability, calculating sample distributions, and testing hypotheses. Preparation for the AP exam given in May will be part of this course.

MATH ACT VICTORY (13109): Prerequisite: Grade 11 only. Students will be identified and recommended for this class based on the PLAN scores from grade 10. This is a one semester course designed to increase ACT achievement using Cambridge Victory Program.
### Science

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<th>9th Grade</th>
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<td>Honors Biology</td>
<td>Honors Chemistry</td>
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<td>Earth Science</td>
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<td>Other science courses that compliment student’s pathway</td>
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It is recommended that college-bound students successfully complete Biology, Chemistry, and Physics. The following courses meet the physical science requirement: Chemistry, Earth Science and Environmental Science.

#### BIOLOGY (14200): Grade Level: 9. Year long.
This course focuses on the major topics of life science using scientific inquiry. First semester concentrates on ecology, classification, and cells. Second semester on evolution and genetics.

#### HONORS BIOLOGY (14203): Grade Level: 9. Year long.
This course focuses on the major topics of life science using scientific inquiry. First semester concentrates on ecology, classification, and cells. Second semester focuses on genetics, reproduction, change overtime and evolution.

#### CHEMISTRY (14300): Grade Level: 10-12. Year long.
This course focuses on the study of matter and the changes matter undergoes, formula writing, equation writing, stoichiometry, and matter-energy relationships. In this course algebra and geometry are applied to show the mathematical expression of chemical concepts. Laboratory work is a significant part of the course. A scientific calculator is required.

#### HONORS CHEMISTRY (14303): Grade Level: 10-11. Year long.
Honors Chemistry is a one-year college preparatory class designed to be taken in 10th grade. Emphasis is placed on a rigorous and advanced study of chemical topics that involves an in-depth mathematical perspective. Development of the major topics of matter and the changes matter undergoes, formula writing, equation writing, stoichiometry, atomic structure, chemical bonding, kinetics, equilibrium, thermochemistry, and acid base reactions are studied in this class. These topics are enhanced by using laboratory experimentation, critical thinking, and problem solving activities. Laboratory work is a significant part of the course. Algebra and geometry are used extensively in this course.

#### EARTH SCIENCE-ASTRONOMY & METEOROLOGY (14521): Grade 10-12. Lab Fee $5.00. One semester.
This semester course focuses on astronomy and meteorology. Topics covered will include an introduction to the cosmos as well as the Earth’s place in the Universe. Meteorology will include the atmosphere, weather, and climate. Offered in conjunction with Earth Science: Geology & Oceanography.

#### EARTH SCIENCE-GEOLOGY & OCEANOGRAPHY (14520): Grade Level: 10-12. Lab Fee $5.00. One semester.
This semester course consists of an introduction to geology and resource management. Included in this course will be a major emphasis on cartography, constructive and destructive forces, and Earth’s history. This course will include environmental issues and laboratory procedures. Offered in conjunction with Earth Science: Astronomy & Meteorology.
ENVIRONMENTAL SCIENCE (14500): Grade Level: 10-12. Lab Fee $5.00. **Year long.** This is a course focused on environmental issues including ecological principles, population dynamics, energy resources, and human interaction with the environment. This is a project-based course where students will develop and implement a plan to improve resources in areas adjacent to their school.

PHYSICS (14400): Grade Level: 11-12. **Year long.** Students must have or purchase a scientific calculator. This course includes topics such as mechanics, thermodynamics, waves, sound, optics, electricity, and magnetism. Algebraic and geometric concepts are used extensively in this course. This course is intended for those planning or majoring in science or a science related field in college. Laboratory work is a significant part of this course.

ANATOMY & PHYSIOLOGY (14603): Grade Level: 11-12. **Year long.** This course is focused on the structure and function of the human body. Some topics covered in this course include levels of organization; support and movement; integration, coordination, and control; transport; maintenance; and the human life cycle. This is a laboratory course designed especially for students interested in medical fields.

MICROBIOLOGY (14209): Grade Level: 11-12. Lab Fee $5.00. **One semester.** This course introduces students to various basic techniques and fundamentals in the field of microbiology. Topics covered include microbial metabolism proper sterilization processes, bacterial growth, and analysis of population cultures. Students will apply microbiological concepts in laboratory experiments and develop appropriate aseptic techniques needed to work in clinical environments. Offered in conjunction with Organic Chemistry.

ORGANIC CHEMISTRY (14312): Grade Level: 11-12. Lab Fee $5.00. **One semester.** This course introduces students to various techniques and concepts in organic chemistry. Topics covered include nomenclature, structure and bonding, and reactions of hydrocarbons with important classes of natural and synthetic organic compounds. Offered in conjunction with Microbiology.

HORTICULTURE (14606): Grade Level: 10-12. Lab Fee $5.00. **Year long.** This is a one year elective course in the methods and procedures of growing plants. Included are topics on house plants, plant preparation, soils, landscaping, pruning, vegetable gardening, tree and shrub care, flower arranging, plant identification, plant physiology, and plant morphology.

ZOOLOGY (14600): Grade Level: 10-12. Lab Fee $5.00. **Year long.** This is a course designed for students interested in further study of the invertebrate and vertebrate animal kingdom. Topics include classification, structure/function, and change/diversity of animals. Laboratory work is a significant part of this course, with a focus on microscope usage and dissection. Suggested completion of Biology.

*AP ENVIRONMENTAL SCIENCE (14510): Grade Level: 11-12. Lab Fee $5.00. **Year long.** The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science that will be taught as a yearlong high school class. The AP Environmental Science course has been developed to enable students to undertake a more advanced study of topics in environmental science. Suggested completion of Biology & Chemistry. *quality points/weighted grade
Science

*AP BIOLOGY (14206): Grade Level: 11-12. Prerequisite: Biology, Chemistry. Lab Fee $5.00. Year long. This is a course for students interested in a college equivalent Biology course. This course follows the Advanced Placement (AP) curriculum. Topics addressed in depth include biological systems and interactions, life processes, cell processes, energy and metabolism, heredity and genetics, ecology, and evolution. Laboratory work and inquiry are significant parts of this course. Students who successfully pass the AP Biology proficiency exam may receive college credit for Biology. *quality points/weighted grade

*AP CHEMISTRY (14306): Grade Level 11-12. Lab Fee $5.00. Year long. AP Chemistry is a college chemistry lecture and lab class. The presentation follows modern quantum mechanical theory. Students will write formulas for compounds, equations for reactions, and stoichiometric relationships equations. Students will analyze thermodynamic changes including enthalpy changes, entropy changes, and Gibbs free energy changes. They will also study acid/base reactions, equilibrium, reactions kinetics, coordination compounds, and oxidation-reduction reactions. Students will prepare for the AP exam. *quality points/weighted grade

*AP PHYSICS 1 (14415): Prerequisites: Chemistry, Algebra and Geometry. Concurrent enrollment in Trigonometry is recommended. Year long. This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Course skills include using representations and models to solve scientific problems, applying mathematics to science phenomena, engaging in scientific questioning, planning and implementing data collection and analysis, and connecting and relating knowledge across scales, concepts, representations, and domains. Students will prepare for the AP Physics 1 exam at the conclusion of the course. *quality points/weighted grade

*AP PHYSICS 2 (14418): Prerequisites: Chemistry, Physics 1, Algebra and Geometry. Year long. This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Course skills include using representations and models to solve scientific problems, applying mathematics to science phenomena, engaging in scientific questioning, planning and implementing data collection and analysis, and connecting and relating knowledge across scales, concepts, representations, and domains. Students will prepare for the AP Physics 2 exam at the conclusion of the course. *quality points/weighted grade

*AP PHYSICS C (14406): Grade Level 11-12. Lab Fee $5.00. Year long. This course is for students interested in a college equivalent Physics course. The Advanced Placement Physics curriculum is followed for this course. Many of the same topics as those covered in Physics 1 & 2 are covered in more depth with additional topics such as special relativity, periodic motion, and quantum effects. Laboratory work is a significant part of this course. Students who successfully pass the AP Physics Proficiency Exam may receive college credit. *quality points/weighted grade
### Social Science

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**WORLD GEOGRAPHY (12100):** Grade Level: 9. **Year long.** In this course, students will utilize aspects of human and physical geography to study different regions of the world through global issues. Students will examine how humans adapt to their environments, how nations rely on each other, and how environments are changed by human interactions with one another and the environment itself. This course makes use of Document Based Questions as a form of assessment and may fulfill a graduation requirement.

**AP HUMAN GEOGRAPHY (12106):** Grade Level: 9-12. **Year long.** The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, as well as use and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will prepare for the AP exam. May fulfill a graduation requirement.

**WORLD HISTORY (12110):** Grade Level: 9. **Year long.** This course utilizes Document Based Questions as a form of assessment. First semester students will study themes of history, ancient civilizations, major religions, as well as the Dark Ages, Age of Exploration, and the beginning of the Renaissance. Second semester continues with the Renaissance through the twentieth century. This course may fulfill a graduation requirement.
**Social Science**

**HONORS WORLD HISTORY (12113):** Grade Level: 9. Year long. This course utilizes Document Based Questions as a form of assessment. First semester students will study themes of history, ancient civilizations, major religions, as well as the Dark Ages, Age of Exploration, and the beginning of the Renaissance. Second semester continues with the Renaissance through the twentieth century. This course is to serve as preparation for students who wish to take Advance Placement courses in the future. Thus, this course will help students develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. This course may fulfill a graduation requirement.

**AP WORLD HISTORY (12116):** Grade Level: 10-12. Year long. The Advanced Placement Program in World History provides students with the analytical skills and factual knowledge necessary to deal critically with world problems. Students will be compared, an emphasis placed on the larger processes affecting individual societies and civilizations, and key time periods will be emphasized. Students will prepare for the AP exam. This course may fulfill a graduation requirement.

**UNITED STATES HISTORY (12123):** Grade Level: 11. Year long. This course utilizes Document Based Questions as a form of assessment. The course starts with a review of European Colonization, the American Revolution and westward expansion. The first semester continues with an in-depth look at U.S. history through World War I. Second semester covers events from the 1920's to the present. This course may fulfill a graduation requirement.

**AP U.S. HISTORY (12126):** Grade Level: 11. Year long. The Advanced Placement Program in United States history is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college courses. Students learn to assess historical materials, their relevance to a given interpretive problem, their reliability, and their importance, as well as to weigh the evidence and interpretations presented in historical scholarship. This course develops the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for the AP exam. This course may be used to fulfill a graduation requirement.

**UNITED STATES GOVERNMENT AND POLITICS (12210):** Grade Level: 12. One semester. This course utilizes Document Based Questions as a form of assessment. This course presents America's political system with an emphasis on the origins of our government, federalism, and three branches of government, civil rights and liberties, interest groups, and political behaviors. This course may be used to fulfill a graduation requirement.

**AP UNITED STATES GOVERNMENT AND POLITICS (12212):** Grade Level: 12. One semester. This course provides students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will study the constitutional underpinnings of democracy, political parties and interest groups, the Congress, the Presidency, the bureaucracy and Federal courts, institutions and policy processes, and civil liberties and civil rights. This course should thus develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for the AP exam. This course may be used to fulfill a graduation requirement.
ECONOMICS (12220): Grade Level: 12. One semester. This course utilizes Document Based Questions as a form of assessment. This course covers the topics of economic thinking, economic systems, supply, demand, prices, market structures, business organizations, labor, personal finance, macroeconomic measures and concerns, monetary and fiscal policy as well as international trade. This course may be used to fulfill a graduation requirement.

*AP MACROECONOMICS (12231): Grade Level: 12. One semester. The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops student’s familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course will provide students with a learning experience equivalent to that obtained in a typical introductory economics college course which requires students to use analytical readings skills along with graphical analysis skills. Students will prepare for the AP exam. This course may be used to fulfill a graduation requirement. *quality points/weighted grade

*AP MICROECONOMICS (12230): Grade Level: 12. One semester. The purpose of a course in microeconomics is to give students a thorough understanding of the principles of economics that applies to the functions of individual decision maker, both consumers and producers. It places primary emphasis on the nature and function of product markets, and includes the study of factor markets and the role of government. This course will provide students with a learning experience equivalent to that obtained in a typical introductory economics college course which requires students to use analytical readings skills along with graphical analysis skills. Students will prepare for the AP exam. This course may be used to fulfill a graduation requirement. *quality points/weighted grade

AFRICAN AMERICAN HISTORY (12300): Grade Level: 10-12. Year long. This elective course provides positive insights into the achievements of African Americans from the beginnings of the country to the present. Note: This course is not a substitute for the required United States history course.

CRIMINAL LAW (12500): Grade Level: 10-12. One semester. This elective course provides practical information and problem solving opportunities in the area of criminal law. The course will develop the knowledge and skills needed to survive in this "law-saturated" society, along with a willingness and capability to participate effectively in the legal and political systems of our community, state, and country.

*AP COMPARATIVE GOVERNMENT AND POLITICS (12215): Grade Level: 12. One semester. The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. *quality points/weighted grade

*AP EUROPEAN HISTORY (12310): Grade Level: 10-12. Year long. This is a college level introductory elective course into modern European history that examines the major events, trends, and chronology from 1450 to the present. Students will examine themes in history and interrelated categories (political, diplomatic, intellectual, cultural, social and economic) as they investigate, using primary and secondary sources, the elites with the experiences of ordinary people. Students will prepare for the AP exam. *quality points/weighted grade
LATIN AMERICAN HISTORY (12134): Grade Level: 10-12. Year long. History of Latin America is an elective course for students who wish to strengthen and expand their knowledge of Latin American civilizations. This one-year course focuses on Latin American History beginning with pre-Hispanic cultures and culminating contemporary issues.

PSYCHOLOGY (12400): Grade Level: 10-12. Year long. This introductory course provides insight and practical information in the field of psychology. Topics will include learning, memory, the workings of the mind, personality, attitude, emotions, and abnormal psychology.

*AP PSYCHOLOGY (12406): Grade Level: 10-12. Year long. This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, exposing students to psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Students will prepare for the AP exam.*quality points/weighted grade

SOCIETY (12415): Grade Level: 10-12. One semester. Sociology is the study of human relationships within a social or group setting. The high school and American societies will serve as the focus for such topics as the cultural impact upon behavior, the process of adopting social norms and values, the identification of social deviants and the effects of labeling, the causes and reduction of prejudice, and the impact of social class upon life experiences.

WORLD AFFAIRS 1 & 2 (12130): Grade Level: 10-12. Two semester sequence. World Affairs exposes students to customs, traditions, and heritage of people from around the globe. Inquiry into political, economic, and social problems or events perplexing the world today. Students will read, discuss and compare ideas expressed in a variety of news media including Rockford Register Star, Chicago Tribune, Newsweek magazine, U.S. News and World Report magazine, Time magazine, ABC, CBS, NBC national television, CNN and the Internet. This course cannot replace the World History of World Geography requirement.
FOREIGN LANGUAGE INTERNSHIP (11530): Grade Level: 11-12. Lab Fee: $25.00. Prerequisites: Level 4 or AP Language course. This course involves placing individual students out in the community as foreign language resources. Emphasis will be on students utilizing their skills and knowledge within their focus foreign language. Outside hours working will be a part of this course.

FRENCH I (11300): Grade Level: 9-12. **Year long.** This course is an introduction to the language and culture of French-speaking countries. The emphasis is on listening, speaking, reading and writing skills. Students will have access to textbook, workbooks, audio and video programs. Students should be aware that nightly homework is necessary for acquiring these skills.

FRENCH II (11303): Grade Level: 9-12. Prerequisite: French 1. **Year long.** This course expands upon the structures and vocabulary learned in level 1. Students will further develop their listening, speaking, reading, and writing skills with a continued study of the French culture. The program uses textbook, workbooks, audio, and video programs. As with level 1, students should be aware that nightly practice and homework are required for acquisition of language skills.

FRENCH III (11306): Grade Level: 10-12. Prerequisites: French 1 & 2. **Year long.** Structural rules of French grammar are stressed to help students further develop and expand upon the four communication skills (listening, speaking, reading, and writing). Students will research, speak, and write on cultural topics. Interaction with French students via e-mail is encouraged. The program uses textbooks, workbooks, audio, and video components. Excerpts from various reading selections will introduce students to French literature. A French-English dictionary is required.

FRENCH IV (11309): Grade Level: 11-12. Prerequisites: French 1, 2, & 3. **Year long.** More complex grammatical structures are studied. Continuing their study of French history and culture, students will begin to read authentic French novels and short stories. Creative writing and oral presentations will be emphasized to develop communicative ability. Interaction with French students via e-mail is encouraged. A French-English dictionary is required.

AP FRENCH LANGUAGE (11315): Grade Level: 11-12. Prerequisite: French 3 and French 4 and the AP teacher’s recommendation. **Year long.** Students who have not had French 4 must see the AP teacher for diagnostic testing and placement in the class. This class offers students the chance to prepare for the French Language AP exam, and is the equivalent of a fifth semester college course. Students will read, discuss, and write about selections from a variety of sources: print media, books, movies, internet, etc. They will focus on comparing and analyzing different perspectives on a topic, and will do research and make presentations on selected cultural themes. They will review grammar and structures as needed to improve their accuracy in using the language. The class will be conducted entirely in French. A French-English dictionary is needed.

MULTI-LANGUAGE LAB (11520): (East) Grade Level: 9-12. Lab Fee: $25.00. Prerequisites: None. **One semester.** This course will provide students with a variety of language offerings beyond traditional foreign language offerings through both in classroom interactive opportunities and online resources. Small group language cohorts will be a part of this course to assist students in their development of language skills and the areas of Communication, Culture, Connections, Comparisons, and Communities.

SIGN LANGUAGE I (11500): (East) Grade Level: 9-12. **Year long.** This course is designed for the regular hearing student who shows an interest in learning sign language. It consists of a sequential curriculum of finger spelling and signs. Students will learn approximately 900 words over the course of the year.

SIGN LANGUAGE II (11503): (East) Grade Level: 10-12. **Year long.** This course is developed as a second year sign language class. It consists of a continuation of the vocabulary with increased focus on American Sign Language and interpreting.
SIGN LANGUAGE III (11506): (East) Prerequisite: Sign Language 1 and Sign Language 2. Year long. The goal of this course is to increase the student’s pragmatic skills in using sign language, with an increased emphasis on using American Sign Language (ASL) and distinguishing it from Conceptually Accurate Signed English. The class will also study Deaf Culture and its impact on sign language.

SIGN LANGUAGE IV (11509): (East) Prerequisite: Sign Language 1, 2, and 3. Year long. The goal of this course is to continue development of the student’s skills using sign language with increased emphasis on American Sign Language and its differentiation from Conceptually Accurate Signed English. Deaf culture and its impact on sign language will also continue to be studied.

SPANISH I (11100): Grade Level: 9–12. Year long. This course is an introduction to the language, customs, and culture of Spanish speaking countries. The basic structure of the language is covered with an emphasis on speaking, listening, reading and writing skills.

SPANISH II (11103): Grade Level: 9-12. Prerequisite: Spanish 1. Year long. This course reinforces and expands skills from the previous year. Emphasis continues to be on building proficiency in the Spanish language. Studies regarding the customs and culture of the Spanish speaking world continue.

SPANISH III (11106): Grade Level: 10–12. Prerequisite: Spanish 1 & 2. Year long. Further practice in self expression in Spanish is provided. Reading and composition skills are developed further. Exposure to Spanish culture and customs continues.

SPANISH IV (11109): Grade Level: 11–12. Prerequisite: Spanish 1, 2, & 3. Year long. Students in this course continue to develop their listening, speaking, reading, and writing skills. Cultural enrichment is presented in the area of history, geography, art, music, and literature. Videos, slides, tapes, and other media help the student to advance his/her study of the Spanish language and culture. The study of the structure of the language is also continued.

*AP SPANISH LANGUAGE & CULTURE (11115): Grade Level: 11–12. Prerequisite: Spanish 3 and Spanish 4 and the AP teacher’s recommendation. Year long. Students who have not had Spanish 4 must see the AP teacher for diagnostic testing and placement in the class. This class offers students the chance to prepare for the Spanish Language AP exam, and is the equivalent of a fifth semester college course. Students will read, discuss, and write about selections from a variety of sources; print media, books, movies, internet, etc. They will focus on comparing and analyzing different perspectives on a topic, and will do research and make presentations on selected cultural themes. They will review grammar and structures as needed to improve their accuracy in using the language. The class will be conducted entirely in Spanish. A Spanish-English dictionary is needed.

*quality points/weighted grade

SPANISH FOR NATIVE SPEAKERS I (11118): Grade Level: 9–12. Year long. This class is designed to meet the needs of Spanish heritage learners. Hispanic students who already can understand and speak some Spanish should take this course instead of the regular Spanish sequence. Students will build upon their Spanish language skills, with special attention to strengthening their reading and writing. Standard Spanish will be used to help prepare students to use the language appropriately in job settings and to start to prepare for the Spanish Language AP test. Students will also increase their awareness and understanding of their own cultural heritage and that of the other Spanish speaking countries in the world.

SPANISH FOR NATIVE SPEAKERS II (11121): Grade Level: 10–12. Year long. This class is a continuation of Spanish for Native Speakers 1 designed to meet the needs of Spanish heritage learners. Hispanic students who already can understand and speak Spanish should take this course next in the sequence following Spanish for Native Speakers 1. Students will build upon their Spanish language skills, with special attention given to strengthening their reading and writing. Increasing the awareness and understanding of their own cultural heritage along with that of the other Spanish speaking countries will be continued as well.
DRIVER EDUCATION

DRIVER EDUCATION (16203): Grade Level: 9-12. One semester. Prerequisite: 15 years of age.

State law requires students to have received a passing grade in at least eight courses during the previous two semesters before he/she can be enrolled in Driver Education.

Driver Education Fees: A $250.00 fee is required payable to RPS 205, plus a $20.00 Illinois State permit fee to be paid to the Secretary of State. Please note: students that qualify for a district fee waiver will get the district driver education fee waived NOT the State fee. All other students must pay the driver education fee.

Students will receive safe instruction in the safe operation of motor vehicles, rules of the road, and the laws of the State relating to motor vehicles. The course meets the legal requirements of the State in preparing students to become safe and efficient users of the highway transportation system. To successfully complete the course, students must be in attendance a minimum of 30 clock hours no exceptions. Driver Education is taught in two phases (three phases at Auburn or Jefferson): 1) Classroom Instruction (30 hours); 2) Behind the Wheel Driving (6 hours); and 3) Simulation (if applicable). Students who earn a grade of "B" or better in all phases of the course may be eligible to take the State of Illinois Driver's Licensing Test with their Driver Education instructor. Parents are responsible for a minimum of 50 hours of supervised driving (of which 10 hours must be night driving) with their son/daughter and to record this on a document to be turned in when the student obtains his/her license.

Students must pass the written Driver Education Vehicle Code Permit Test and a vision exam to advance to the Behind-The-Wheel (BTW) phase. Pending availability of instructors, students are selected in chronological order by birth date and are given the opportunity to successfully complete the required 6 hours of training. Students have the option of taking BTW at a later date.

ROTC

JROTC 9-12 (16500): (Auburn) Grade Level: 9-12. Year long. JROTC has four course levels which all include academics, physical fitness and practical exercises. The program initially focuses on character development, teamwork, organizing, individual responsibility and other life and academic success skills. As students progress in the program they assume increasing levels of leadership responsibility and staff roles during practical exercises to plan, organize and publicize various school activities and community support events (Labor Day, Open House, Varsity Athletic Meets and Games, Veterans' Day, Christmas Caroling, Military Ball, Awards Banquet, Memorial Day and Fourth of July). Extra-curricular activities include interscholastic competition drill, color guard and marksmanship teams. Enrollment is limited.

ROTC/DRIVER EDUCATION (16503): (Auburn) Grade Level: 10 - 12. The student is enrolled in JROTC for one semester. Age and the number of high school credits as required by the State will determine admission into Drivers Education for one semester.
FRESHMAN BOYS PHYSICAL EDUCATION (16120):
Grade Level: 9. One semester. This course is designed to increase fitness levels using a variety of exercise modes including, but not limited to: team sports, strength and conditioning, aquatics, and personal fitness options. Heavy emphasis will be placed on team sports and strength and conditioning. Students will learn proper movement patterns, determine heart rate and fitness outcomes relative to each activity, and explore the benefits of teamwork and competition. Students will also learn optimal training methods for maintaining healthy body composition levels. All students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used. Students will be required to provide their own swimsuits and towels. (Boys - lined swim trunks).

FRESHMAN GIRLS PHYSICAL EDUCATION (16123):
Grade Level: 9. One semester. This course is designed to increase fitness levels using a variety of exercise modes including, but not limited to: personal fitness options (including high intensity interval training (HIIT), metabolic resistance training, yoga, and Pilates), aquatics, strength and conditioning, and team sports. Heavy emphasis will be placed on personal fitness options. Students will learn proper movement patterns, determine heart rate and fitness outcomes relative to each activity, and explore the benefits of teamwork and competition. Students will also learn optimal training methods for maintaining healthy body composition levels. All students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used. Students will be required to provide their own swimsuits and towels. (Girls - 1 piece swimsuit).

AQUATICS (16360): Grade Level: 10-12. One semester. Aquatics is designed to improve fitness levels through individual and group aquatic activities. Activities may include, but are not limited to: training and development of all swim strokes, water polo and related activities, water basketball, diving, and water aerobics/plyometric. Aquatics includes heavy emphasis on fitness concepts and conditioning. Students will be required to provide their own swimsuits and towels. (Boys - lined swim trunks; Girls - 1 piece swimsuit).

FITNESS AND RECREATIONAL DANCE (16400): Grade Level: 10-12. One semester. Fitness and Recreational Dance is designed to increase fitness levels through the use of dance skills and related experiences. Traditional and contemporary dance styles will be included in the course. Dances may include, but are not limited to: fox trot, swing, polka, cha-cha, hip hop, waltz, tango, rumba, and line dances. Fitness and Recreational Dance includes heavy emphasis on fitness concepts and conditioning and all students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.

GROUP EXERCISE (16350): Grade Level: 10-12. One semester. Group Exercise is designed to improve fitness levels through group exercise activities. Activities may include, but are not limited to: Pilates, yoga, metabolic resistance training circuits, and high intensity interval training (HIIT). Group Exercise includes heavy emphasis on fitness concepts and conditioning and all students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.
PE/Health

HEALTH (16000): Grade Level: 9-12. One semester. Students are required to take one semester of Health during high school. Health includes the following topics: mental and emotional health, stress management, CPR and first aid, understanding medicines, tobacco, alcohol, illegal drugs, human growth and reproduction, and health careers/agencies. Most buildings offer this either freshman or sophomore year. See high school counselor for building recommendations.

LIFE GUARD/WATER SAFETY INSTRUCTOR (16343): Grade Level: 10-12 (9th grade students may enroll with instructor permission). $35 Red Cross administration fee. Prerequisite: Successful completion of required competencies AND instructor approval. One semester.

Lifeguarding- The purpose of the American Red Cross Lifeguarding course to provide entry-level lifeguard participants with the knowledge and skills to recognize, respond to, and prevent aquatic emergencies, as well as provide care for breathing and cardiac emergencies, injuries and sudden illnesses until emergency medical services personnel take over. Pre-requisite- 300 yard swim using front crawl or breaststroke, 2 minute treading water, and complete a 1 minute and 40 seconds timed event swimming with a front surface dive into the deep end to retrieve a 10lb brick.

Water Safety Instructor- The purpose of the American Red Cross Swimming and Water safety program is to teach people how to be safe in, on, or around water and to teach individuals of different ages and abilities how to swim. Pre-requisite: Students have to be able to swim.

All students enrolled will be assessed for individual growth using a 10-minute swim assessment. Additional assessments may also be used.

PERSONAL FITNESS (16353): Grade Level: 10-12 (9th grade students may enroll with instructor and counselor approval) One semester. Personal Fitness is a semester course designed for students who are interested in increasing their personal fitness levels, learning how to live a healthy lifestyle and make appropriate choices, and increase their awareness of community recreational and fitness opportunities. This course is designed for students who want or need to improve their personal fitness and need a gradual approach. This class is also recommended for any long term medically excused students. All students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.

TEAM STRENGTH AND CONDITIONING (16340): Grade Level 10-12 (9th grade students may enroll with instructor and coaches’ permission). One semester. Strength and Conditioning is a rigorous course designed to improve strength, speed, power and conditioning levels. The class includes: weightlifting, strength training, plyometric, speed, agility, and conditioning. Strength and conditioning includes heavy emphasis on performance enhancement and injury prevention through proper training. All students will be assessed via strength and conditioning testing which may include strength and power, speed and agility, and conditioning testing.

TEAM SPORTS (16356): Grade Level: 10-12. One semester. Team Sports is designed to increase fitness levels through the use of competitive team games and modified sport situations. This course may include: basketball, volleyball, softball, soccer, flag football, broomball, speedball, ultimate Frisbee, rugby, handball and/or additional sports. Team Sports includes heavy emphasis on fitness concepts and conditioning and all students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.
PE/Health

ELECTIVES

These courses do not count toward meeting the daily PE requirement from the state.

EXERCISE SCIENCE I (16364): Grade level: 10. Year long. This is the first class in a course sequence designed to prepare students for the ACE Fitness personal trainer certification and group exercise instructor certification. This course will provide a foundational knowledge base in the areas of anatomy, bioenergetics, exercise physiology, biomechanics, acute and chronic adaptations to anaerobic and aerobic exercise, and nutrition. This course is considered a PE elective and does NOT count toward meeting the daily PE requirement from the state. Students will need to enroll in a PE, Health, or Driver's Education course.

EXERCISE SCIENCE II (16367): Grade level: 11. Year long. This course is the second step in the Exercise Science Pathway. It will begin to incorporate application and programming to the foundational skills and concepts learned in Exercise Science I. Students will begin to perform assessments and analyze results, create programs based on assessment data, and hone their exercise technique and coaching skills. This course is considered a PE elective and does NOT count toward meeting the daily PE requirement from the state. Students will need to enroll in a PE, Health, or Driver's Education course.
INTRO TO ART & DESIGN (15155): Grade Level: 9. Lab Fee: $15.00. One semester. This course emphasizes developing creative ideas and problem-solving skills while providing students with an introduction to the visual arts. This class will give students the foundation necessary to expand into more specialized art areas. The studio activities will focus on design and composition while developing skills and an understanding of drawing, painting, sculpture, and computer imaging. Students will explore a variety of media and techniques as well as deepen their appreciation of art making through a global and historical perspective. Units are constructed to engage student learners while helping them see, analyze, create, understand, and articulate their experiences of the visual world.

STUDIO ART I (15100): Grade Level: 9–12. Lab Fee: $25.00. This course is an overview of visual arts. Students will explore traditional and experimental media. Students will study visual art work from a variety of cultures and time periods. This is a beginning model for art criticism and the basis for further art study. An emphasis is placed on learning how to draw, paint and print as well as develop good studio habits, craftsmanship, and visual art vocabulary.

STUDIO ART II (15103): Grade Level: 10–12. Lab Fee: $25.00. Prerequisite: Studio Art Foundations or consent of instructor. This course is for the interested student to further develop artistic skills. Students will advance and continue their exploration and development of skills begun in Studio Art Foundations. Students will focus on mastering basic drawing and painting skills in a variety of media with special emphasis on experimentation, expression, craftsmanship, and originality. Art history, aesthetics, and critical topics will be presented.

2-D STUDIO ART II (15106): Grade Level: 11–12. Lab Fee: $25.00. Prerequisite: Studio Art-I or consent of instructor. This course is designed to allow the advanced level art student an opportunity to continue their exploration and development of skills. Study is accelerated enabling highly motivated students to engage in advanced level art production in a variety of 2D media. Emphasis is placed on advanced level technical skills, experimentation, creative expression and personal interpretation. An additional expense is required for matting artwork for portfolio presentation and exhibition.

2-D STUDIO ART III (15109): Grade Level: 12. Lab Fee: $25.00. Prerequisite: Studio Art-II or consent of instructor. This course requires portfolio development. A portfolio is a presentation of a body of art work with consistent quality, related themes, and demonstrates independent work ethic and craftsmanship representing a wide range of media. This course is for those students interested in college, art school, or visual art employment. An additional expense is required for matting artwork for portfolio presentation and exhibition.

*AP STUDIO ART: DRAWING (15141): Lab Fee: $25.00. Prerequisite: 2-D Studio Art-II. AP Studio Art: Drawing is designed to address drawing issues and media. This course promotes the investigation of all three aspects of portfolio development — quality, concentration, and breadth. The AP portfolio's three-section structure requires the student to show mastery in concept, composition, and execution of drawing. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: Drawing must take the AP exam which is a performance based exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for matting artwork for portfolio presentation and exhibition. *quality points/weighted grade
*AP STUDIO ART: 2-D DESIGN (15144): Lab Fee: $25.00. Prerequisite: Advanced Art. The AP Studio Art: 2-D Design course is designed to address two-dimensional (2-D) design issues and media. This course promotes the investigation of all three aspects of portfolio development - quality, concentration, and breadth. The AP portfolio's three-section structure requires the student to show mastery in concept, composition, and execution of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: 2-D Design must take the AP exam which is a performance-based exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for matting artwork for portfolio presentation and exhibition. *quality points/weighted grade

3-D SCULPTURE-I (15132): Grade Level: 10–12. Lab Fee: $25.00. Prerequisite: Studio Art Foundations. A variety of methods of working with sculpture will be explored. Projects will emphasize problem solving, experimentation, expression, craftsmanship and originality. Historical, contemporary and cultural examples will be studied.

3-D SCULPTURE-II (15135): Grade Level: 11–12. Lab Fee: $25.00. Prerequisite: 3-D Studio Art-I. This is a third year course for the serious art student. It provides the opportunity for more in-depth study and experimental approaches to 3-dimensional forms. An additional expense is required for displaying sculptures for portfolio presentation and exhibition.

*AP STUDIO ART: 3-D DESIGN (15147): Lab Fee: $25.00. Prerequisite: 3-D Studio Art-I. AP Studio Art: 3-D Design is designed to address sculptural issues and media. Design involves purposeful decision making about using the elements and principles of art in an integrative way. This course promotes the investigation of all three aspects of portfolio development -- quality, concentration, and breadth. The AP portfolio's three-section structure requires the student to demonstrate mastery in concept, composition, and execution of 3-D design through any three-dimensional approach. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: 3-D Design must take the AP exam which is a performance-based exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for preparing and presenting artwork for exhibition. *quality points/weighted grade

*AP ART HISTORY (15138): Grade Level: 11-12. Lab Fee: $25.00. This course surveys the visual arts from prehistoric to contemporary times. The survey is global and includes an emphasis on social context and connections between artists, related fine arts, culture and events in the past and today. Students are expected to view, discuss, research and write about the visual arts. Testing and content are designed to prepare students for the AP Art History exam. *quality points/weighted grade

INTRO TO GRAPHIC DESIGN (15156): Grade Level: 9. One semester. Lab Fee: $15.00. This course is an overview introducing students to simple image manipulation on the computer. The class will cover the history of computer graphics and teach industry standard software and procedures. Studio and digital projects will allow students to learn the elements and principles of art as a basis for good design.

GRAPHIC DESIGN I (15123): Grade Level: 10–12. Lab Fee: $25.00. Prerequisite: Studio Art Foundations, Intro to Graphic Design and/or Business and Technology Concepts. This course helps students become proficient in two graphic programs currently used by professional designers; Adobe Photoshop and Adobe Illustrator. Skills will be learned in how technology is used in creating photo-edited images. Design and composition will be taught on the computer through the use of these programs.
GRAPHIC DESIGN II (15126): Grade Level: 10–12. Lab Fee: $25.00. Prerequisite: Graphic Design-I or Intro to Graphic Design and/or consent of instructor. The intent of this course is to allow students to review and expand on the knowledge and skills that they have learned in the prerequisite. Students will use graphic programs used by professional designers: Adobe Photoshop, Adobe Illustrator, and Adobe InDesign. Skills will be used to edit images, create computer illustrations, and layout designs. Design and composition skills will be emphasized to create computer graphics suitable for both print and web-based applications. Students will also develop a digital portfolio to showcase their artwork.

GRAPHIC DESIGN III (15160): Grade Level: 11–12. Lab Fee: $15.00. Prerequisite: Graphic Design II. This course will build upon the knowledge and skills learned in Graphic Design II. This course is the capstone course at the end of the Graphic Design Academy Pathway. The course allows students to finish the three year Graphic Design program with a strong design background and a high level of competency using digital imaging, computer aided drawing, and page layout programs. Graphic Design III will introduce advanced level software allowing students an exposure to industry standard certification level coursework. This course allows students to be fully immersed in the field of graphic design through the use of practical application units which lead to the development of an advanced level portfolio for college acceptance and/or job placement.

WEB DESIGN (15129): Lab Fee: $25.00. Prerequisite: Graphic Design I. This course focuses on the overall production processes surrounding web site design with particular emphasis on design elements involving layout, navigation and interactivity. Students will learn using both HTML and Adobe Dreamweaver.

3-D MODELING AND ANIMATION (15113): Grade Level: 10–12. Lab Fee: $25.00. Prerequisites: Intro to Graphic Design or Graphic Design-I. This course offers an introduction to the world of computer generated 3-D modeling and animation. As an introductory course, it provides a basic understanding of the skills and techniques employed by 3-D designers. In this course, students will explore basic mesh modeling, applying textures and materials to 3-D objects, lighting, animation and rendering.

MEDIA PRODUCTION I (21206): Grade Level: 11–12. Lab Fee: $25.00. Prerequisite: Graphic Design I. Designed to provide students with solid, introductory level experiences in a variety of media forms, including television, radio, film and the Internet. This course will survey the historical and social significance of the media in our culture. Students will develop a basic working knowledge of the tools used in the production of media projects. Communication, leadership, creative problem solving, teaming and interpersonal skills will be of high priority. As both an interdisciplinary course and a resource for all school departments, the students will have multiple opportunities to engage in creative work through the use of appropriate and current technology. Five after school studio hours per semester are required.

MEDIA PRODUCTION II (21209): Grade Level: 12. Lab Fee: $25.00. Prerequisite: Media Production I. A continuation of training with an emphasis on placement in the professional community through internships. The focus of instruction will be on the development of training and industrial films. Fifteen after school studio hours required.
Fine Arts - Music

BEGINNING ORCHESTRA (15250): Grade Level: 9. Orchestra Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. This course is designed to develop the instrumental music skills of the beginning high school student. Students will perform quality literature representing all time periods, and genres. The emphasis of this performance based group will be placed on skills and techniques of the instrument by the student, sight reading, and ensemble performing skills. This course may only be taken once. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

CONCERT ORCHESTRA (15200): Orchestra Fee: $25.00. Prerequisite: Middle School orchestra or consent of instructor. Rental Fee: $60.00 if renting a school instrument. The course emphasis is on string techniques, literature and performance. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class. Students may audition for the Advanced Strings Ensemble, an extra-curricular seminar whose rehearsal schedule will be determined by the instructor and its members. This ensemble will perform at school as well as in the community. Students may enroll in this course for more than one year.

SYMPHONIC ORCHESTRA (15253): Orchestra Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. Prerequisite: Audition. This course is an advanced group of musicians who work on advanced techniques, literature, and performance. The music studied advances performance skills and covers all periods and styles. Concerts will include playing full orchestra music including wind, brass, and percussion players. This class is offered for students who are interested in performing advanced orchestral literature. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class. Students are also encouraged to participate in statewide festivals and competitions. Students will be assigned small ensembles (i.e., trios, quartets) to rehearse in class. These ensembles will have opportunities to perform at special events at Auburn High School, District 205 and the community. Students may enroll in this course for more than one year.

BEGINNING BAND (15203): Grade Level: 9-12. Band Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. This course is open to students who have never played a band instrument or current music students who would like to learn a secondary instrument. This group will study the basics of playing an instrument and music reading. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

CONCERT BAND (15212): Grade Level 10-12. Band Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. This course allows for continuing the development of instrumental musicianship into the 2nd year of high school. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

WIND ENSEMBLE (15209): Grade Level 11-12. Band Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. Prerequisite: Consent of instructor. The material performed will be of an advanced nature. Several performances throughout the year will be required. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

JAZZ ENSEMBLE (15215): Grade Level 10-12. Band Fee: $25.00. Rental Fee: $60.00 if renting a school instrument. Prerequisite: Must be enrolled in another band and consent of instructor. The Jazz Ensemble offers its members an exposure to jazz and rock music.
The group performs at functions outside of school including college jazz festivals and programs for civic organizations. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

BEGINNING PIANO KEYBOARD (15224): Grade Level: 9-12. Lab Fee: $25.00. This course is a group piano class where students work individually on their own keyboard. Students will improve reading, technical, and performance skills. Basic skills will be taught including scales, etudes, and music theory. Participants are expected to perform as an individual and an ensemble throughout the year at various school and community events.

BEGINNING ACOUSTIC GUITAR ENSEMBLE (15221): Grade Level 10-12. Lab Fee: $25.00. Beginning and intermediate guitar students study the techniques of guitar playing, rhythm section playing, sight reading, various styles of music and basic musicianship. Guitar techniques include chords, scales, strums and picking styles. This course may not be repeated.

ADVANCED PIANO KEYBOARD (15227): Grade Level 10-12. Lab Fee: $25.00. Prerequisite: Audition. This is an advanced piano class where students work individually on their own keyboards. Students will improve reading, technical, and performance skills on the keyboard. Advanced skills will be emphasized including all major and minor scales, arpeggios, improvisation, and more advanced music theory. Students will also work on their own compositions with music technology. Participants are expected to perform as an individual and as ensemble throughout the year at various school and community events.

MUSIC EXPLORATIONS (15240): Grade Level: 9-12. One semester. Lab Fee: $25.00. This beginning level course is designed as an overview and introduction to music appreciation and exploration, through hands-on lab stations and presentations. Labs include: piano keyboard, acoustic guitar, voice, rhythm instruments, computer, listening, reading and writing about music from all over the world and from various time periods.

ARTS AND HUMANITIES (15150): Grade Level: 9-12. One semester. Lab Fee: $25.00. This course is designed to investigate the cultural impact the arts have had on society over time. The course will look at ancient and contemporary arts examples to distinguish their relevance and connections to cultural and historical aspects of each time period.

*AP MUSIC THEORY (15230): Grade Level: 10-12. Lab Fee: $30.00. Prerequisite: Prior musical experience. A one year course for students interested in a college equivalent Music Theory course. This course follows the Advanced Placement (AP) curriculum. Topics addressed in depth include musicianship, theory, musical materials, and procedures. Students who successfully pass the AP Music Theory proficiency exam may receive college credit. *quality points/weighted grade

CHORUS (15303): Grade Level: 9. Chorus Fee: $25.00. This mixed choir course is designed to develop the choral skills of the beginning high school singer. Students will perform quality literature representing all time periods, genres, and languages of choral music. The emphasis of this performance based choir will be placed on vocal production, sight reading, and aural skills. Chorus may only be taken once. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

CONCERT CHORALE (15309): Grade Level: 9-12. Chorale Fee: $25.00. Prerequisite: Audition. This course is designed to fully develop the chorale/musicianship skills of the advanced high school singer. Students will perform quality literature representing all time periods, genres, and languages of choral music. Strong emphasis will be placed on independent musicianship, analysis of text, and interpretation. Students may enroll in Concert Chorale for more than one year. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.
INTRO TO ACTING (15418): Grade Level: 9. One semester. Lab Fee $25.00. This course introduces students to the complex aspects of Acting in the entertainment business. Students discover the many and varied elements of acting styles, movement techniques, voice manipulation and characterization application in scene performances. Also, audition training and skills, along with improvisation techniques, and a brief background in theatre history are discussed. In addition, this course provides the student with a basic working vocabulary of the business and an understanding of the necessary techniques and methods that help meld together the creative and acting elements into one common goal. This course enables the student to explore the variety of acting career opportunities in the field and lead them towards the option of choosing acting as their pathway in the Human and Public Services Academy (HPS). This course emphasizes the importance of real world skills such as collaboration, teamwork, decision-making, the duality of right-brained and left-brained skills, long range and short term planning, meeting deadlines, critical thinking, and the pride of creating a final scene performance product. Requirements: attend or be part of a school’s stage production, write an Acting Critique of a live stage production.

ACTING I (15400): Grade Level: 9-12. Lab Fee: $25.00. This course includes and expands with more in depth application of Intro to Acting; an overview of the actor’s craft. Students will learn theatrical terminology, improvisation, pantomime, and character study. Class members will perform monologues, scenes, and short plays. Students will learn about theatre history, dramatic structure and style, criticism and theatre etiquette. Requirements: attend or be part of a school’s stage production, write an Acting Critique of a live stage production.

ACTING II (15403): Prerequisite: Intro to Acting or Acting -1. Lab Fee: $25.00. Various acting techniques will be explored through improvisation, monologues, and scene work. Students will also learn the fundamentals of play direction. Class members may be required to perform in the performance based assessment; a one act play.

ACTING & DIRECTING (15406): Prerequisite: Acting-2. Lab Fee: $25.00. This course is a third level course where class members may be required to aid in the production of a one-act. Emphasis is on directing and stage management. Requirement: attendance at several current productions.

THEATRE SEMINAR (15409): Prerequisite: Acting and Directing. Lab Fee: $25.00. Attendance at several current productions are required. This course is a fourth level course where students will continue a more in-depth study of acting, directing, production, and period styles. Students will investigate the development of a production resulting in a performance.

INTRO TO TECH THEATRE (15419): Grade Level: 9. One semester. Lab Fee: $15.00. This course introduces to the student the complex workings behind the scenes of the entertainment business. Students discover the many and varied elements of stagecraft that are needed to mount a stage production: scenic, lighting, sound, publicity, costuming and make up. In addition, this course provides the student with a basic working vocabulary of the business and an understanding of the necessary procedures and methods that help meld together the creative and technical elements into one common goal. This course enables the student to explore the variety of career opportunities in the field and lead them towards the option of choosing Technical Theatre as their Pathway in the Human and Public Services Academy (HPS). This course emphasizes the importance of real world skills such as collaboration, teamwork, decision-making, the duality of right-brained and left-brained skills, long range and short term planning, meeting deadlines, critical thinking, and the pride of creating a final product. Requirements: 5 or more hours of crew work, attend or be part of a school’s stage production, write a Technical Critique of a live stage production.
TECH THEATRE I (15412): Grade Level: 9–12. Lab Fee: $25.00. This course includes and expands in more depth what happens behind the curtain. Students will learn the basics of set design, lighting, sound, props, makeup, set construction and costumes. Tech Theatre will assist in the production of the all-school plays. Requirement: 15 or more hours outside of class time.

TECH THEATRE II (15420): Grade Level: 10-12. Lab Fee: $25.00. Prerequisite: Intro to Tech or Tech Theatre I. This course is the first full year course offering in the Technical Theatre Pathway in the Human and Public Services Academy (HPS), and continues the logical process of Technical Theatre methods. The student will gain more in-depth training using the theatre facility’s equipment and complete projects as proof of their training. The student will receive advanced training in scenic construction, lighting, sound, rigging and knots, scenic painting, make up application, costume design, drafting and scene design, model-building, and poster and playbill design. The student will use their training and knowledge to help run the school’s play and musical productions as well as becoming technical support for other programs held in the Auditorium. Students will use theatre vocabulary and language as an efficient and accurate way to communicate their ideas and information. Students will put into practice the importance of real world skills such as collaboration, teamwork, decision-making, the duality of right-brained and left-brained skills, long range and short term planning, meeting deadlines, critical thinking, by majorly contributing to the success of the schools stage plays and musicals. Requirements: 15 or more hours of crew work, must be part of a school's stage productions as a crew member or a position of Leadership, write a Technical Critique of each live stage production put on by the Theatre Department, and be a Technical Director for one of the Theatre Department's one-act plays.

ADVANCED TECHNICAL THEATRE (15415): Prerequisite: Tech Theatre II. This course is a progressive and advanced course introducing students to the theory of theater technology. It includes participation in construction, mounting, and running of school productions. Requirements: lab fee and twenty hours outside of class time.

THEATRE PRODUCTION (15425): Lab Fee: $25.00. Prerequisite: Advanced Technical Theatre. This course is the capstone of the Tech Theatre pathway, focusing on original production designs constructed, mounted and run for theater productions. Portfolios and resumes development will prepare students for college reviews. Requirement: twenty hours outside of class time.
Career & Technical Education

**BUSINESS & ADMINISTRATIVE SERVICES (All business classes have a lab fee.)**

**BEGINNING COMPUTER APPLICATIONS (21218):** Grade Level: 9-12. Lab fee required. One semester. This course is an introduction to computer applications including keyboarding, basic computer knowledge, and basic computer operations including word processing and formatting, presentation software, spreadsheets, graphic arts, and programming. Students will be introduced to basic skills in Microsoft Office.

**BUSINESS AND TECHNOLOGY CONCEPTS (21100):**
Grade Level: 9-12. Lab fee required. Recommended prerequisite: Beginning Computer Applications. Year long. Students are introduced to core business concepts and the role that business plays in the economic well-being of the United States. Topics include entrepreneurship opportunities, identifying market needs (global and domestic), financing and managing a business, economics of business, and the use of technology in the business world. Students will advance their skill level in Microsoft Office programs.

**ADVANCED COMPUTER CONCEPTS AND APPLICATIONS (21103):** Grade Level: 10-12. Lab fee required. Prerequisite: Beginning Computer Applications or Business Tech Concepts. Year long. This course is designed to increase opportunities to succeed in the work force after graduation or continued education at a community college or university. Students will master skills in Microsoft Office Beginning Word, Excel, PowerPoint, and Access. Students successfully completing the course may elect to test for Microsoft Office User Specialist (MOUS) Core Certification.

**INFORMATION PROCESSING (21106):** Grade Level: 11-12. Prerequisite: Advanced Computer Concepts and Applications. Lab fee required. Year long. This course is designed to increase opportunities to succeed in the work force after graduation or continued education at a community college or university. Students will master skills in Microsoft Office Expert, Word, Excel, PowerPoint, and Access (Outlook optional). Students successfully completing the course may elect to test for Microsoft Office User Specialist (MOUS) Expert Certification.

**ACCOUNTING I (21130):** Grade Level: 10-12. Lab fee required. Recommended prerequisite: Business & Tech Concepts. Year long. A skill level course valuable to students pursuing business, marketing and management programs. This course provides learning experiences and activities for keeping, summarizing and analyzing financial records. In addition to stressing fundamental concepts and terminology of accounting, instruction will provide initial understanding of financial reports, computer applications, development of proper work habits and employability skills, and exploration of career opportunities. Topics include use of double entry accounting systems, mechanics of the accounting cycle, recording transactions in a general journal, recording transactions in special journals, posting to general journal, posting to special journals, and preparing financial statements particularly concepts for proprietorships and corporations. Additional topics include accounting for special procedures such as cash funds, receivables, payables, depreciation and inventories particularly concepts and procedures for corporations.

**ACCOUNTING II (21133):** Grade Level: 11-12. Lab fee required. Prerequisite: Accounting I. Year long. Accounting 2 is a skill level course that builds upon the foundation of Accounting 1. In addition to stressing fundamental concepts and terminology of accounting, this course continues the study of accounting to include the use of special journals and the posting procedures to special ledgers. Additional topics include accounting for special procedures such as cash funds, receivables, payables, depreciation and inventories particularly concepts and procedures for corporations.

**ACCOUNTING III (21136):** Grade Level: 11-12. Lab fee required. Prerequisite: Accounting II. Year long. This course expands on topics learned in the first and second year courses while adding new topics about management accounting, cost accounting, not-for-profit accounting, and financial analysis. The study of a third year of accounting helps qualify students for higher level accounting positions. This course provides an excellent background and preparation for college business and accounting majors. In addition the cost, budgeting, and financial analysis topics are useful tools for the new entrepreneur.
BUSINESS & PERSONAL LAW (2688): Grade Level: 9-12. Prerequisite: Business and Technology Concepts. Year long. Business and Personal Law is a course which develops an understanding of legal rights and responsibilities in personal law and business law with applications applied to everyday roles as consumers, citizens, and workers. The student will have an understanding of the American legal system, courts/court procedures, criminal justice system, torts, the civil justice system, oral and written contracts, sales contracts and warranties, and consumer protection. Legal technology is emphasized.

VIRTUAL ENTERPRISE INTERNATIONAL I (21113): Grade Level: 10-12. Prerequisite: Business and Technology Concepts. Year long. This course is an in-school entrepreneurship program and global business simulation that replicates all the functions of real businesses in both structure and practice. Under the guidance of a teacher-facilitator and business mentors, students create and manage their virtual, internet-based businesses from product development, production and distribution to marketing, sales, human resources, accounting/finance and web design.

VIRTUAL ENTERPRISE INTERNATIONAL II (21116) Grade Level 11 – 12. Prerequisite: Virtual Enterprise I. Year long. Enrolling in VEI II provides students with the opportunity to serve in a leadership capacity for classmates new to the course. This course is an in-school entrepreneurship program and global business simulation that replicates all the functions of real businesses in both structure and practice.

COSMETOLOGY

COSMETOLOGY (58100U): Grade Level: 12. Year-long. Families are responsible for the materials used in this course which cost several hundred dollars. Courses are taken through the Educators of Beauty who is a state accredited program. This course is offered through CEANCI’s Regional Programs and requires an application and enrollment is limited. Students who enroll in this program will participate in the initial 250 hours of the total 1,500 hours necessary to complete the program and become eligible to earn a license in the state of Illinois. Course content combines advanced industry knowledge and techniques with total student involvement. The program teaches you to see, think, create and adapt as a designer – not just duplicate a hairstyle – so you’ll feel confident creating your own designs or adapting the latest trend.

CRIMINAL JUSTICE

UNIVERSITY OF WISCONSIN- PLATTEVILLE CRIMINAL JUSTICE PROGRAM (Jefferson) Students who successfully complete courses and earn a “C” or better in this program will earn advance standing credit; which can be utilized through enrollment at the University of Wisconsin-Platteville after graduation from high school.

Entrance Requirements, students must:
- Be on track to graduate
- Earned 11th grade or 12th grade standing
- Have a 3.0 or better grade point average or receive permission from the principal

CRIME SCENE INVESTIGATION (UW- Platteville) (17217U) Grade: 11 – 12. Recommended Prerequisite: Criminal Law. Year long. This course delves into various types of technology, techniques and equipment used in crime laboratories and by crime scene technicians at a crime scene. Course also provides an overview for the career of crime scene technicians. Students who successfully complete the course and earn a “C” or better will earn advance standing credit; which can be utilized through enrollment at the University of Wisconsin-Platteville after graduation from high school.

EVIDENCE COLLECTION AND PRESERVATION AND INTRODUCTION TO CRIMINAL JUSTICE (UW- Platteville) Grade Level: 12. Prerequisite: Crime Scene Investigation (UW- Platteville). Each is a semester course, paired together to make a year-long course.

EVIDENCE COLLECTION AND PRESERVATION (17211U): This course covers the methodology associated with the collection and preservation of physical evidence such as hair, fibers, fingerprints, footwear impressions, and blood and biological samples at crime scene. Chain of custody procedures, recording evidence submissions and managing and maintaining evidence collection storage facilities will also be covered.
Career & Technical Education

INTRODUCTION TO CRIMINAL JUSTICE (17214U): A survey of administration of Criminal Justice, including the structure components of the criminal justice system and the stages of the criminal process from the detection of crime and arrest through the prosecution, adjudication, sentencing and correctional intervention. Emphasis is placed upon the analysis of decisions and practices within the context of the entire criminal justice system.

FAMILY & CONSUMER SCIENCES

CHILD DEVELOPMENT (21303): Grade Level: 10-12. Lab Fee: $10.00. Year long. This course introduces students to responsible nurturing and basic applications of child development theory. 21st century emphasis is on care providers’ responsibilities for and influences on children. The course content will reinforce students’ skills in communication, resource management and problem solving. It will also highlight the ways infants, toddlers and preschoolers develop physically, emotionally, socially and intellectually. Activities include field trips, guest speakers, computer applications for intranet research; problem based learning schemas and tests.

EDUCATION AND CHILD CARE CAREERS (21309): Grade Level 11 – 12. Prerequisite: Child Development. Year long. This is a year-long course designed to introduce students to the wide variety of careers found in education and to expose them to the licensing and education requirements needed to access careers in education. Students will examine the historical roots of education and examine the current political, economic, and pedagogical factors which impact our schools. During the second semester of this course, students will develop lessons for instruction based in a traditional classroom and through online course offerings. This course will combine opportunities to observe and engage with classrooms, and practice developing, implementing, and assessing curriculum. Through this course students are able to complete the necessary course work to earn a Gateways Early Child Education Level 1 certification. Lab fee: $25.00

STUDENT LEADERSHIP (21600): Grade Level: 11-12. Year long. Students will have the opportunity to develop leadership skills and techniques which prepare them for effective one-on-one and group work settings. In addition to leadership skills, the course will focus on interpersonal relationships and the value of role models. The application of these skills will be to organize community service events to include mentoring to students in their school.

HEALTH OCCUPATIONS

INTRODUCTION TO HEALTH OCCUPATIONS (21514): Grade Level: 10–12. Year-long. This is a comprehensive, yearlong course that seeks to investigate the health care delivery system, its services and occupations. Students will be exposed, through an exploratory approach to an understanding of employment opportunity areas in the field of health and health services. Instructional will be provided in a variety of skills that are vital to all health sciences occupations. A strong focus on communication, technology, career development and information literacy will prepare students to be strong candidates both for continuing education and employment.

MEDICAL TERMINOLOGY (21517): Grade Level 11 -12. Year-long. Prerequisite: Introduction to Health Occupations. Medical Terminology provides study of a wide range of medical terminology. The course is of value to those preparing for careers as healthcare provider, diagnostic careers, and medical office careers including medical office assistants, medical transcriptionists, medical coders, and others. Course content includes building medical terms from word parts and specific medical terms relating to body systems, diseases, diagnosis, surgical and medical care, abbreviations, medications, and other medical terms.

MEDICAL SCIENCE I (21500): Prerequisites:
- Students must apply and complete an interview.
- Must have a minimum grade of a “B” in core courses.
- Limited absences and tardies from previous year.
- The following medical requirements are necessary: Hepatitis B vaccine, a two-step Mantoux tb test, a physical, influenza vaccine, and documentation of current immunization status.
Students will need to provide their own uniform. This course is designed for juniors and/or seniors interested in a health care career. The student spends 2 hours per day, five days a week, at Rockford Health System, learning a core of knowledge and skills needed for many health care fields. Students will have the opportunity to shadow various health care professionals such as physical therapists, nurses and x-ray technicians. Students will have the opportunity to obtain Illinois Nurse Assistant Certification approved by the Illinois Department of Public Health. In addition, safety, assessment (temperature, pulse, respiration and blood pressure), patient transport, personal care techniques and other general health care skills are addressed.

**INDUSTRIAL & ENGINEERING TECHNOLOGY**

**EXPLORING ENGINEERING (21470):** Grade Level: 9-12. One semester. Lab Fee: $15.00. This semester course uses a problem based learning paradigm and introduces students to the connections between Science, Technology, Engineering, and Mathematics (STEM). Students work in teams to complete hands-on projects in support of creativity and critical thinking. This course introduces students to the Engineering, Manufacturing, Industrial Trades, and Technology (EMITT) pathways.

**INTRODUCTION TO INDUSTRIAL TECHNOLOGY AND ENGINEERING (21400):** Grade Level: 9-12. Year long. Lab Fee: $25.00. This course is a mandatory first course for most Industrial and Engineering Technology courses. It provides the orientation needed for all skill-level industrial occupation programs. Through numerous “hands-on” activities, including drafting, electrical wiring, and woodworking, the course will offer introductions to communication technology, energy utilization, production technology, engineering design, and transportation technology. Each unit will cover the resources, technological processes, industrial applications, technological impact and possible occupations.

*INTRODUCTION TO ENGINEERING DESIGN (Project Lead the Way) (21540):* (Auburn, East, Guilford) Grade Level: 10-12. Year long. Lab Fee: $10.00. This course focuses on the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer’s notebook, and communicate solutions to peers and members of the professional community. *quality points/weighted grade

*PRINCIPLES OF ENGINEERING (Project Lead the Way) (21550), (Auburn, Guilford, East). Grade Level 10 – 12. Lab Fee: $15.00. Recommended Prerequisite: Introduction to Engineering Design. Year long. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. *quality points/weighted grade

*CIVIL ENGINEERING AND ARCHITECTURE (Project Lead the Way) (21554).* (East). Grade Level 11 – 12. Lab Fee: $30.00. Prerequisites: Introduction to Engineering Design and Principles of Engineering. Year-long. Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. *quality points/weighted grade

*DIGITAL ELECTRONICS (Project Lead the Way) (21557).* (Auburn). Grade Level 11 – 12. Lab Fee: $30.00. Prerequisites: Introduction to Engineering Design and Principles of Engineering. Year-long. From smart phones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. *quality points/weighted grade
Career & Technical Education

*ENVIRONMENTAL SUSTAINABILITY (Project Lead the Way) (21560). (Guilford). Grade Level 11 – 12. Lab Fee: $30.00. Prerequisites: Introduction to Engineering Design and Principles of Engineering. Year-long. Students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges. *quality points/weighted grade

PRINCIPLES OF AEROSPACE SCIENCE (21403): (Jefferson) Grade Level: 10 – 12. Year-long. Principles of Aerospace Science is designed to provide the student with a broad-based aviation orientation in flight-related areas. Subjects include historical developments in aviation and the airline industry, theory of flight, airport operations, aircraft systems and performance, elements of air navigation, basic meteorology theory, air traffic principles, flight physiology, and aviation regulations and safety.

UNMANNED AERIAL SYSTEMS (21495). (Jefferson) Grade 10 – 12. Recommended Prerequisite: Principles of Aerospace Science. Year-long. This course is a survey of unmanned aerial systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. The course will include basic acquisition, use, and operation of UASs with an emphasis on the integration of robotic technology into the hardware and software of unmanned aviation.

FLIGHT I (21480): (Jefferson) Grade Level: 11 – 12. Recommended prerequisite: Principles of Aerospace Science. Year-long. This course develops the aeronautical knowledge required for certification as a Private Pilot with an Airplane Single Engine Land rating. Topics include: regulations, safety, pre-solo operations, cross-country planning, airspace, chart use, communications, weather, performance, weight and balance, aerodynamics, and decision-making.

FABRICATION I (21462): (Auburn, Guilford, Jefferson) Grade Level: 10-12. Prerequisite: Introduction to Industrial Technology and Engineering. Year-long. Lab Fee: $30.00. This course is an advanced course in the fabrication of wood and metal projects. It provides the student with advanced design and fabrication of woodworking projects and introduces the student to simple metal fabrication skills. This is a skill level class and the students will learn how to safely and effectively operate a large variety of woodworking machines and will learn additional skills in metalworking, such as tap and die, micrometer, and steel cutting equipment use. At Auburn, there is an additional welding component in which the students will learn how to safely and effectively use several advanced types of welding processes in metal fabrication, including MIG, TIG, and plasma cutting operations.

FABRICATION II (21489): (Auburn, Jefferson, Guilford) Grade Level: 11-12. Prerequisite: Fabrication I. Year-long. Lab Fee: $30.00. This course is an extension of Fabrication I and will increase the knowledge and skill levels necessary for the fabrication of wood and metal projects. This course is more intended for students interested in careers in the many different forms of fabrication. It will build on what was learned in Fabrication I and will include projects that are of an advanced design and will require more developed skills to complete successfully. The students will set up and safely operate a large variety of woodworking machines and continue to build knowledge and skills necessary for metalworking. At Auburn, there is an additional and extensive welding component in which the students will further develop their knowledge and skills to effectively use several types of welding processes in metal fabrication, including brazing, oxy-fuel cutting, MIG, TIG, and plasma cutting operations.

FABRICATION III (21492) Grade Level 11 – 12. Prerequisite: Fabrication II. Year-long. Lab Fee: $30.00. This course is an extension of Fabrication II and will increase the knowledge and skill levels necessary for the fabrication of wood and metal projects. This course is intended for students interested in careers in the many different forms of fabrication. It will build on what was learned in Fabrication II and will include projects that are of an advanced design and will require more developed skills to complete successfully.
ORIENTATION TO TRANSPORTATION (21413): (Auburn, Jefferson) Grade Level: 9-12. Prerequisite: Introduction to Industrial Technology and Engineering. Year long. Lab Fee: $15.00. First semester is Small Engines, and second semester is Automotive Mechanics. Small Engines will introduce the student to the 4-cycle engine theory, nomenclature, service and repair procedures. The student will disassemble, overhaul, and reassemble a lawnmower engine. Automotive Mechanics will expose the student to the basics of the automobile. Students will become knowledgeable of the various systems of a modern automobile, and the different skills related to them.

AUTOMOTIVE TECHNOLOGY I (21416): (Auburn, Jefferson) Grade Level: 11-12. Lab Fee: $30.00. Prerequisite: A grade of “C” or better in Orientation to Transportation. Year long. In the first semester, students will study automotive suspension/steering, brake systems, and vehicle service. Second semester will cover basic engine repair, automatic/manual drive train, electrical/electronic systems, engine performance, heating/air conditioning, vehicle service. Safety in the use of automotive hand tools, equipment, and chemicals/oils is also covered.

AUTOMOTIVE TECHNOLOGY II (21419): (Auburn, Jefferson) Grade Level: 12. Lab Fee: $30.00. Two hour capstone course. Prerequisite: Automotive Technology I. Year long. During the first semester, students will identify and interpret electrical system problems and will be introduced to the diagnosis and repair of starting, charging, driver information, and electrical/electronic systems. Second semester will focus on brake systems. Diagnosis and repair of hydraulic and drum systems, disc brakes, wheel bearings, parking brakes, and power assist units will be covered.

ORIENTATION TO CONSTRUCTION (21465): (East) Grade Level 10–12. Prerequisite: Introduction to Industrial Technology and Engineering. Year long. Lab Fee: $15.00. This course exposes students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects.

CONSTRUCTION I (21474): (East, Guilford) Grade Level: 11-12. 2 credits per semester. Lab Fee: $15.00 plus tools. Prerequisite: Orientation to Construction. Year long. This course is an introductory course in construction, remodeling, and home repair. Carpentry skills, drywall, concrete, tile, roofing, and siding skills are a few of the areas covered.

CONSTRUCTION II (21477): (East, Guilford) Grade Level: 12. 2 credits per semester. Lab Fee: $15.00 plus equipment. Prerequisite: Construction I. Year long. This course is a continuation of Construction I. A second-year student is expected to handle more responsibility and will be put in charge of certain projects or a section of construction.

ORIENTATION TO DRAFTING (21434): (Jefferson) Grade Level: 9-12. Year long. This course will introduce the student to the basic fundamentals of drafting while concentrating on mechanical drafting and its techniques. The content of the course covers the method of transferring ideas to paper and computer. Drawing and the language of industry are covered in detail. Typical areas covered may include: planning and organizing activities, researching of information, preparing sketches, performing basic layouts, and detailing drawings. Basic introduction to Computer Aided Drafting (CAD) will be presented through the year.

ARCHITECTURAL DRAFTING/CAD I (21447): (Jefferson) Grade Level: 10-12. Prerequisite: Orientation to Drafting. Year long. Course content includes CAD, architectural drafting concepts, and engineering design concepts. The application of research skills, math skills, and the language of industry will be stressed. Typical areas covered may include: planning and organizing activities, researching of information, performing general office procedures, preparing sketches, performing basic layouts, detailing drawings, performing presentation techniques, using reproduction techniques, producing mechanical working drawings, using CAD command processes, & producing drawings using CAD.
ARCHITECTURAL DRAFTING/CAD II (21486): (Jefferson)
Grade Level 11 – 12. Prerequisite: Drafting/CAD I. Year long. Instruction is provided in the areas of locating information using computer data files, determination of materials and availability, project conferences, checking plan dimensions, drawing schematic sketches, preparing scale sketches, producing drawings from written/verbal instructions, application of coordinate dimensioning standards, creating drawings using a plotter/printer, producing renderings and/or charts and graphs, and common plan features. Instruction is also provided in the areas of framing plans, wall sections, fire-place sections, door sections, door and window schedules, dimensioning structural steel drawings, constructing column detail drawings, preparation of structural foundation, slab and floor plans, drawing electrical, block, schematic, and electrical connection drawings. Skills relating to CAD include preparation of a basic CAD drawing, building and editing a data base, developing a 3-dimensional drawing and selecting appropriate line work, line weight, and color.

ORIENTATION TO MANUFACTURING (21450):
(Jefferson) Grade Level: 10-12. Lab Fee: $5.00. Prerequisite: Introduction to Industrial Technology and Engineering. Year long. Lab Fee: $15.00. This metalworking course provides an introduction to manufacturing materials, processes, and career opportunities. Students will design and produce projects using individual craftsmanship, mass production, and automated machining (CNC) techniques. Lab work will involve the safe use of metalworking hand tools, band saws, drill presses, lathes, and milling machines to produce a variety of metal projects.

MACHINE TOOL TECHNOLOGY I (21453): (Jefferson)
Grade Level: 11-12. 2 credits per semester. Prerequisite: Orientation to Manufacturing. A lab fee covers safety glasses, lock, and materials consumed making class projects. Year long. Lab Fee: $30.00. This two hour, capstone course is for students interested in metalworking/ manufacturing careers. Students will develop metalworking skills in sheet metal work, bench work, and in the safe operation of saws, drills, lathes, mills, and grinders while producing a variety of precision metal projects. Instruction will also include the related metalworking topics of shop math, blueprint reading, precision measurement, metallurgy, and technical communications. Students will be introduced to computer numerical control (CNC) programming and machining.

MACHINE TOOL TECHNOLOGY II (21456): (Jefferson)
Grade Level: 12. 2 credits per semester. Prerequisite: Machine Tool Technology I. Year long. Lab Fee: $30.00. A continuation of Machine Tool Technology I, this course is for students with the aptitude and desire to enter a metalworking career as an apprentice, entry-level technician, or is college oriented toward a manufacturing degree. Course work will involve mastery of machine tool operation while producing precision tooling projects. The programming and operation of CNC equipment will be emphasized.

INFORMATION TECHNOLOGY

MEDIA PRODUCTION I (21206): Grade Level: 10 – 12. Year long. This course is designed to provide students with solid, introductory level experiences in a variety of media forms, including television, radio, film, and the Internet. This course will survey the historical and social significance of the media in our culture. Students will develop a basic working knowledge of the tools used in the production of media projects. Communication, leadership, creative problem solving, teaming and interpersonal skills will be of high priority. As both an interdisciplinary course and a resource for all school departments, the students will have multiple opportunities to engage in creative work through the use of appropriate and current technology. 5 after school studio hours per semester are required.

MEDIA PRODUCTION II (21209): Grade Level: 11 – 12. Prerequisite: Media Production I. Year long. A continuation of training with an emphasis on placement in the professional community through internships. The focus of instruction will be on the development of training and industrial films. 15 after school studio hours required.
CISCO NETWORKING ACADEMY I (21212): (Guilford) Grade Level: 11-12. Lab fee required. Recommended prerequisite: Business and Technology Concepts. Year long. The first semester in this introductory course in the CISCO networking Academy is a highly relevant preparation in the information technology field. Concepts covering the fundamentals of networking, protocols, IP addresses and other concepts leading to cabling installation will be covered. The second semester will cover routing theory and router technologies. Students will participate in router configuration exercises and will be introduced to LAN switching. By the end of the class, students will have the skills necessary to gain internship opportunities in the information technology sector.

CISCO NETWORKING ACADEMY II (21215): (Guilford) Grade Level: 11-12. Lab fee required. Prerequisite: CISCO Networking Academy I. Year long. In this course students will learn advanced routing and switching. Students will configure routers and switches using network management techniques to find and fix network problems. Students will also complete advanced projects in network design and management. This course will prepare students for the industry certification exam required to achieve the CISCO Networking Associate Certificate.

*AP COMPUTER SCIENCE A (13440): (Auburn) Lab fee required. Prerequisite: Business and Technology Concepts. Year long. The class will introduce the student to JAVA software development. Students will write platform-independent, object oriented code for conventional, Internet – and Intranet-based applications. Topics covered include graphical user interface (GUI) development, multimedia (images, animation, and audio); graphic strings, exception and security; application portability. A number of programming assignments will be given to enable the student to build real-world JAVA applications. This is a college level course in computer science. *quality points/weighted grade

CAREER COURSES

FRESHMAN SEMINAR (17204): Grade Level: 9. One semester. All freshmen will be placed in the Freshman Seminar course. Freshman Seminar combines career exploration and development with special emphasis on success skills, communication skills, critical thinking and problem solving skills, and personal qualities (responsibility, self-esteem, self-management, and integrity). Students taking the Independent Study version of the course need to have reliable access to the Internet and Microsoft Office Applications. Strong time management skills and self-determination are critical attributes needed for successful completion of this course as Independent Study. In addition to independent and online work, students will be required to attend routine meetings with the course instructor.

FRESHMAN SEMINAR - INDEPENDENT STUDY (17205): Grade Level: 9. One semester. Freshman Seminar combines career exploration and development with special emphasis on success skills, communication skills, critical thinking and problem solving skills, and personal qualities (responsibility, self-esteem, self-management, and integrity). Students taking the Independent Study version of the course need to have reliable access to the Internet and Microsoft Office Applications. Strong time management skills and self-determination are critical attributes needed for successful completion of this course as Independent Study. In addition to independent and online work, students will be required to attend routine meetings with the course instructor.

INTERNSHIP (21139): Grade Level: 11-12. Lab fee required. 2 credits per semester. Suggested Prerequisite: Business & Technology Concepts. Year long. This course allows students to experience the benefits of work training while participating in a classroom with students in numerous other occupational areas. The teacher-coordinator and training site sponsor develop unique training plans for students based on occupational goals while related instruction is pertinent for all students enrolled in the class. This class will be offered the last or first two hours of the day for ease of mainstreaming into industry.
## CEANCI Dual Credit

### Advance Now Program 2016-2017

<table>
<thead>
<tr>
<th>Program Title</th>
<th>Courses Taken at Rock Valley College</th>
</tr>
</thead>
</table>
| **Allied Health**  
(Junior year Program Only) | ◊ BIO 100: Introductory Human Biology (3 Cr)  
◊ CHM 110: General, Organic & Biochemistry I (4 Cr)  
◊ ENG 101: Composition & Literature I (3 Cr)  
◊ PSY 170: Introduction to Psychology (3 Cr)  
◊ HLT110: Medical Terminology (2 Cr)  
- Part of a 2 year program -- priority given to juniors.  
- Prerequisite courses required for admission to a nursing (BSN) degree program.  
- Meet most prerequisites required for Allied Health fields, such as, Surgical Technology, Dental Hygiene, Radiology, 2-year nursing (ADN), and Respiratory Care.  
- All courses are part of the IAI General Education Core Curriculum, typically eligible for transfer. |
| **Automotive Service Technology**  
(Junior year Program Only)  
(1st year of 2 year program – courses taken in sequence) | ◊ ATM 105: Introduction to Brake and Chassis System (3 Cr)  
◊ ATM 106: Intro to Auto Electrical System/Power Train (3 Cr)  
◊ ATM 140: Engine Diagnosis and Repair (6 Cr)  
◊ STU 100: Planning for Success (1 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Automotive Engine Certificate  
- Credits can also be applied toward additional Automotive certificates & AAS degree |
| **Automotive Service Technology**  
(Senior year Program Only)  
(2nd year of 2 year program – courses taken in sequence)  
*must have participated as a Junior* | ◊ ATM 107: Automotive Electronic Fundamentals (4 Cr)  
◊ ATM 114: Brakes (4 Cr)  
◊ ATM 221: Steering and Suspension (4 Cr)  
◊ STU 101: Career Planning (2 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Automotive Suspension & Brakes Certificate  
- Credits can also be applied toward additional Automotive certificates & AAS degree |
| **Aviation Maintenance**  
(Junior year Program Only)  
(1st year of 2 year program – courses taken in sequence)  
Participation in the Aviation program, during the Junior year of HS, provides one semester of a six semester program. | ◊ AVM 101: Materials and Processes (3 Cr)  
◊ AVM 102: Basic Electricity (3 Cr)  
◊ AVM 105: Aircraft Drawing – Weight & Balance (3 Cr)  
◊ AVM 248: Hydraulic & Pneumatic Cont. Sys. (3 Cr)  
◊ AVM 250: Assembly & Rigging (3 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Credits can be applied toward Aviation Maintenance certificates & AAS degree |
| **Aviation Maintenance**  
(Senior year Program Only)  
(2nd year of 2 year program – courses taken in sequence)  
Upon completion of the 2 year classes, students should continue in the RVC Aviation program to fulfill their AAS degree.  
Program participation during the Junior & Senior years of HS provides two semesters of a six semester program. | ◊ AVM 247: Aircraft Metal Structures (6 Cr)  
◊ AVM 103: Aviation Math & Physics (2 Cr)  
◊ AVM 104: Records & Publication (3 Cr)  
◊ AVM 251: Landing Gears Systems (3 Cr)  
◊ AVM 249: Aircraft Fuel Systems (1 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Credits can be applied toward Aviation Maintenance certificates & AAS degree |
| **Fire Science**  
(Junior year Program Only)  
(1st year of 2 year program – courses taken in sequence) | ◊ FRE 101: Intro to Fire Protection (3 Cr)  
◊ FRE 106: Rescue Practices (3 Cr)  
◊ FRE 118: Building Construction-Fire Protection (3 Cr)  
◊ FRE 208: Fire Prevention Principles (3 Cr)  
◊ STU 100: Planning for Success (1 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Foundation of the Fire Service Certificate  
- Credits can be applied toward additional Fire Science certificates & AAS degree |
<table>
<thead>
<tr>
<th>Program Title</th>
<th>Courses Taken at Rock Valley College</th>
</tr>
</thead>
</table>
| **Fire Science**  
(Senior year Program Only)  
(2nd year of 2 year program – courses taken in sequence)  
*must have participated as a Junior* | ◇ FRE 223: Emergency Medical Technician (9 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Semester-long class - fall only or spring only  
- Seats not filled by prior year’s Juniors can be filled by new Seniors  
- Emergency Medical Technician (EMT) Certificate  
- Credits can be applied towards Fire Science AAS degree |
| **BCM Basic Construction**  
(Junior or Senior year Program) | ◇ BCM 100: Intro to Construction Management (3 Cr)  
◇ BCM 104: Construction Blueprint Reading (3 Cr)  
◇ BCM 117: Construction Materials & Methods (3 Cr)  
◇ BCM 120: Mechanical Systems (3 Cr)  
◇ BCM 125: Construction Safety (3 Cr)  
- 1 year program open to Juniors & Seniors.  
- Complete the Basic Construction Certificate.  
- Credits can be applied towards additional Building Construction Management certificates & AAS degree. |
| **BCM Sustainable Construction**  
(Junior or Senior year Program) | ◇ BCM 117: Construction Materials & Methods (3 Cr)  
◇ BCM 120: Mechanical Systems (3 Cr)  
◇ BCM 268: Home Performance and Energy Auditing (3 Cr)  
◇ BCM 278: Green Building Fundamentals (3 Cr)  
◇ EET 105: Intro to Sustainable Energy (3 Cr)  
- 1 year program open to Juniors & Seniors.  
- Complete the Sustainable Construction Certificate.  
- Credits can be applied towards Sustainable Building Science AAS degree. |
| **Fitness, Wellness & Sport**  
(Senior year Program Only) | ◇ FWS 126: Beginning Weight Lifting (1 CR)  
◇ FWS 127: Advanced Weight Lifting (2 Cr)  
◇ FWS 266: Personal Training I - Concepts & Applications (3 Cr)  
◇ FWS 267: Personal Training II - Concepts & Applications (3 Cr)  
- 1 year program open to Seniors only  
- Credits can be applied towards the Personal Training certificate (NSCA Recognized) |
| **Health Occupations**  
(Senior year Program Only) | ◇ NAD 101: Nursing Aide (7 Cr)  
◇ BIO 100: Intro to Human Biology (3 CR)  
◇ STU 100: Planning for Success (1 Cr)  
◇ STU 101: Career Planning (2 Cr)  
- 1 year program open to Seniors only  
- Nursing Aide (CNA) Certificate  
- NAD 101 and BIO 100 are prerequisite courses for both the Practical Nursing Certificate (LPN) and the AAS Degree in Nursing |
| **Welding Technology**  
(Junior year Program Only)  
(1st year of 2 year program – courses taken in sequence) | ◇ WLD 100: Introduction to Welding (3 Cr)  
◇ WLD 153: Arc Welding – Flat (3 Cr)  
◇ STU 100: Planning for Success (1 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Credits can be applied toward Welding certificates |
| **Welding Technology**  
(Senior year Program Only)  
(2nd year of 2 year program – courses taken in sequence)  
*must have participated as a Junior* | ◇ WLD 155: Arc Welding – Horizontal (3 Cr)  
◇ WLD 157: M.I.G. Welding (3 Cr)  
◇ STU 101: Career Planning (2 Cr)  
- Part of a 2 year program – begin Junior year & finish Senior year  
- Assembly Line Welder Certificate  
- Credits can also be applied toward additional Welding Certificate |

**CEANCI Dual Credit course offerings are subject to change. Program fees are the responsibility of the student and family. See your school counselor for a detailed list of program fees.**
### Online Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF 118</td>
<td>Computer Keyboarding (1 credit)</td>
<td>Computer Keyboarding is taught on a microcomputer as an independent study course and/or as a regular short course. The course is designed so that students can acquire the skill to effectively use touch typing to input alphabetical and numerical data into a computer or to type on a typewriter. A pass/fail grading system is used. Prerequisite: a score of 41 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Intro to Business (3 credits)</td>
<td>Introduction to Business introduces business functions, operations, and organization. The course includes forms of ownership, management, finance, business ethics, personnel and labor-management relations, and marketing. Prerequisite: a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>BUS 170</td>
<td>Intro to Organizational Behavior (3 credits)</td>
<td>Introduction to Organizational Behavior is an introduction to the theories and concepts of human behavior in organizations. Foundations of behavior of individuals and groups and organizational structure are studied. Application of these theories and concepts of management issues are discussed. Prerequisite: a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>CIS 102</td>
<td>Intro to Computers and Information Systems (3 credits)</td>
<td>Introduction to Computers and Information Systems surveys the uses of computers in business, industry and the home. This course introduces computer concepts, principles, and terminology. A number of hands-on computer experiences are provided, including using word processing, spreadsheet, presentation and database software. Credit will not be given for both CIS 102 and CIS 202. Prerequisite: a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>CIS 180</td>
<td>Intro to Visual Basic Programming (4 credits)</td>
<td>Introduction to Visual Basic Programming is an introductory course that is designed for students and professionals with little or no Visual Basic or Windows programming experience. The student will learn the BASIC language syntax, event-driven programming, and how to put together a complete Visual Basic Application. Topics such as Windows programming standards and conventions, database programming, array processing, controls, properties, methods and events will be discussed. Prerequisite: successful completion of CIS 102 in the fall and a score of 70 or higher in the reading portion of Accuplacer, a 61 or higher on the elementary algebra portion of Accuplacer</td>
</tr>
<tr>
<td>CIS 276</td>
<td>Intro to C/C++ Programming (4 credits)</td>
<td>Introduction to C/C++ Programming provides the student with an introduction to programming using the C/C++ programming language. This course is suitable for students with little or no programming background. C/C++ is an object-oriented programming language that will be used in this course to teach control structures: sequence, selection, iteration, to teach structured program design, programming style, documentation, modular design, code reusability, and program testing. Prerequisite: completion of CIS 102 in the fall and a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>CRM 101</td>
<td>Intro to Criminal Justice (3 credits)</td>
<td>Introduction to Criminal Justice is open to all students and covers the philosophy and history of law enforcement, crime and police problems, organization and jurisdiction of local, state, and federal law enforcement agencies, and a survey of professional career opportunities and their corresponding required qualifications. Prerequisite: a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>MGT 270</td>
<td>Principles of Management (3 credits)</td>
<td>Principles of Management introduces the concepts of planning, organizing, leading, and controlling. Topics include the organization triangle, organizational design, strategic planning, managing human resources, decision making, communication, quality, change and conflict management, and ethics. These management principles apply to all types of organizations. Prerequisite: successful completion of BUS 101 in the fall and a score of 70 or higher on the reading portion of Accuplacer</td>
</tr>
<tr>
<td>PCI 106</td>
<td>Micro Application/Windows Based (4 credits)</td>
<td>Microcomputer Applications/Windows Based is a survey of current applications for microcomputers utilizing hands-on experience with popular software packages in the Windows environment. Topics include word processing, electronic spreadsheets, presentation software, database systems, presentation software, Internet Web browsers, and some background in microcomputer hardware and operating systems. Prerequisite: keyboard proficiency or successful completion of OFF 118 in the fall and a score of 56 or higher on the reading portion of Accuplacer</td>
</tr>
</tbody>
</table>

- Online courses require a 70 or better on the reading portion of Accuplacer (the Rock valley College placement exam) — exceptions indicated above
- All online courses are offered in the fall and in the spring
- Students are only allowed to enroll in one online course each semester
COURSES/TRAINING

Special Education CTE Courses: Students are recommended for, and enrolled in, a Special Education CTE program at the annual I.E.P. conference. They are bused to various school and community sites to attend a special education CTE class for 2 hours per day (2 credits per semester) where they receive training in one of the following areas:

ORIENTATION TO FOODS I (20100): This course introduces careers in food service and the employability skills which are needed for successful employment in this field. Safety, health, nutrition, and sanitation principles are introduced. Location: River Bluff. Section 1 A.M. Section 2 Midday.

ORIENTATION TO FOODS II-ON THE JOB TRAINING (20103): This course is a continuation of Orientation to Foods I. Simple food preparation is used to instruct students in measurement, following a recipe, serving, and clean-up. Included is the proper use and cleaning of equipment, safety practices, and food storage. Location: River Bluff. Section 1 A.M. Section 2 Midday.

ORIENTATION TO FOODS III (20106): Students complete an interview with the instructor and tour of Hoffman House prior to course registration. HOFFMAN HOUSE - Section 1 A.M.

ORIENTATION TO FOODS IV-ON THE JOB TRAINING (20109): Students complete an interview with the instructor and tour of Hoffman House prior to course registration. HOFFMAN HOUSE - Section 1 A.M.

MACHINE OPERATOR 1 (20200): This course is a general overview in the use of standard machines such as the drill press, lathe, surface grinder, mill, band saw, and metal fabricating machine. ROOSEVELT - Section 1 A.M., Section 2 P.M.

MACHINE OPERATOR 2 (20203): Prerequisite: Referral of 20200 instructor. Students complete an interview prior to Course registration. Continued more in depth use of machines (drill press, lathe, surface grinder, etc.). Location: ROOSEVELT - Section 1 A.M. Section 2 P.M.

ORIENTATION TO CHILD CARE (20306): AM Section only. Provides students with training and work experience in day care centers (KenRock Community Center, Brightside, Circles of Learning).

ORIENTATION TO ELDER CARE (20303): A.M. and P.M. Provides students with training and work experiences in nursing homes. (River Bluff)

GENERAL ORIENTATION TO VOCATIONAL EXPLORATION (20400): Students explore a wide range of career opportunities in a variety of vocational fields as they relate to their interests and abilities. WILSON ASPIRE, AUBURN, EAST, GUILFORD, JEFFERSON, ROOSEVELT

GENERAL ORIENTATION TO VOCATIONAL ASSESSMENT (20403): This course is designed to expand on the skills learned in General Orientation to Vocational Exploration. Students will have the opportunity to increase skill levels. WILSON ASPIRE, AUBURN, EAST, GUILFORD, JEFFERSON, ROOSEVELT
Special Education

ORIENTATION TO AUTO SERVICE I (20500): This course is designed to allow students to learn and perform various auto service tasks which can lead to employment in a variety of auto service related careers. ROOSEVELT - Section 1 A.M., Section 2 P.M.

ORIENTATION TO VOCATIONAL EXPLORATION (18025): This course is paired with a semester of Freshman Seminar. Students explore a wide range of career opportunities in a variety of vocational fields as they relate to their interests and abilities. (Orientation to Vocational Exploration 20410/Freshman Seminar 17204).

ORIENTATION TO GENERAL MAINTENANCE 1 (20600): This course will provide the student with an introduction to building operations, safety procedures, proper cleaning of a building, proper use and maintenance of cleaning equipment and proper use of commercial cleaning agents. ALANO CLUB - Section 2 P.M.

ORIENTATION TO GENERAL MAINTENANCE 2 - ON THE JOB TRAINING (20700): This course provides the student with an introduction to basic grounds care, safety procedures, identification, proper use and maintenance of equipment, as well as continuation of proper cleaning of a building. RIVERFRONT MUSEUM PARK – DISCOVERY CENTER- Section 1 A.M.

VOCATIONAL EDUCATION CO-OP (20900): Special Education Cooperative Education provides an opportunity for students to develop marketable skills and knowledge in an occupation while working on the job. Work activities designed and supervised by both the employer and the instructor assist the student in developing marketable skills and work attitudes. AUBURN, EAST, GUILFORD, JEFFERSON, ROOSEVELT, WILSON ASPIRE

SCHOOL BASED LIFE SKILLS TRAINING (20940): Grade level: 9—10. Instruction will begin at each student’s developmental and functional level to achieve acquisition of skills within the school building/campus. EAST, GUILFORD, JEFFERSON, AUBURN, WILSON

COMMUNITY BASED LIFE SKILLS TRAINING—COMMUNITY BASED LEARNING AND PRACTICE (20943): Grade Levels: 11—12. Students will have additional opportunities to practice and enhance skill building in a real world community setting. Practice may involve group outings to various sites to enhance the learning experience. EAST, GUILFORD, JEFFERSON, AUBURN, WILSON

VOCATIONAL EDUCATION/CONSTRUCTION (20420): The construction classes meet for two (2) hours a day and are generally held off school grounds at various work sites. The students are transported by bus to the work site. There they learn skills of painting, carpentry, plumbing, electricity, roofing, dry walling, landscaping, gutters and siding. EAST

GENERAL VOCATIONAL TRAINING (20423): Students experience various employment setting for work experiences. Training is closely supervised by a representative of the school and/or employer/supervisor. EAST, GUILFORD, JEFFERSON, AUBURN, WILSON ASPIRE

JOB PLACEMENT

The overall goal of the training programs is to assist the student in developing work skills and behaviors appropriate for entry level positions. Two job placement coordinators, with the assistance of two job coaches, are responsible for counseling, teaching job related life skills, developing and supervising job placements, and providing job coaching when needed. The placement programs are funded through a yearly Job Training Partnership Act Grant from the Rock River Private Industry Council and through the Department of Rehabilitation Services.
ENGLISH REQUIRED CLASSES

ENGLISH 9: This is a writing-intensive course designed to develop students’ skills in critical reading and writing, speaking, and listening. The course is standards-based and thematically organized around a variety of texts – print and non-print, fiction and nonfiction. Within each unit, students will participate in full-class studies of core works in addition to opportunities for small group and independent study. Writing instruction will build foundational skills in argumentation in addition to source-based writing, grammar, mechanics, style, and usage. Instruction in critical reading will include strategies to engage with text.

ENGLISH 10: This is a writing-intensive course designed to build on students’ skills in critical reading and writing, speaking, and listening. The course is standards-based and thematically organized around a variety of texts – print and non-print, fiction and nonfiction. Within each unit, students will participate in full-class studies of core works in addition to opportunities for small group and independent study. Writing instruction will continue to focus on skills in argumentation in addition to source-based writing, grammar, and usage; students will begin to engage in rhetorical analysis and synthesis. Instruction in critical reading will include strategies to engage with text.

ENGLISH 11: This writing-intensive, standards-based course is a study of the American experience, spanning from the colonial period to the present. In addition to developing an appreciation for our literary heritage and understanding our relationship to American history and culture, students will implement critical reading strategies to engage with increasingly complex texts – both print and non-print, fiction and nonfiction. Students will also learn to write increasingly sophisticated arguments and informational essays, in addition to furthering their study of language and usage, speaking and listening, and research.

ENGLISH ELECTIVE CLASSES

ADVENTURES IN AMERICAN LITERATURE: This is a junior/senior elective that focuses on some widely accepted American prose excerpts about Nature, and American Values in Literature. Included in this course is the presentation of selected “classic” poetry written by widely recognized poets such as Carl Sandburg, Walt Whitman, Langston Hughes, Stephen Crane, and Edgar Allen Poe. A minimum of one book report on a “Classic” work from American literature as well as written reactions to other prose and poetry readings will be required.

AP ENGLISH 11 LANGUAGE AND COMPOSITION: Grade Level: 11. This course focuses on non-action reading combined with a balance of literature and timed writing exercises. The students apply all criticisms and forms of analysis to all works in order to gain a deeper personal understanding of the literary realm. Through personal endeavors, the students teach themselves and each other all aspects of literary theory and aid each other in furthering their appreciation of literature. Students are able to practice for the AP exam in English Language and Composition.

MYSTERY: This course explores the reasoning and clinical research of mystery literary works. Students learn to analyze, synthesize, and evaluate diagnostic data, forensic information, and geographical elements as they pertain to a specific mystery. The course requires extensive reading, scientific data inquiry, research, and writing.

POETRY: Students will learn how to write their own poetry. Students will discover that everyone has the power to create poetry. This course allows students to write poetry and express their feelings and thoughts in ways that will satisfy them and make others pay attention.
STRATEGIC LITERACY 9: Strategic Literacy 9 is an intervention program for that will allow students to be given specific and individualized instruction to improve their reading skills. Skills taught include: phonics and word analysis, fluency and comprehension, reading decoding, word recognition, and expanding vocabulary. This course is to be taken concurrently with an English course.

STRATEGIC LITERACY 10: Strategic Literacy 10 is an intervention program for that will allow students to be given specific and individualized instruction to improve their reading skills. Skills taught include: phonics and word analysis, fluency and comprehension, reading decoding, word recognition, and expanding vocabulary. This course is to be taken concurrently with an English course.

ENGLISH SUPPORT CLASSES

LITERACY-READ 180: Grade Level: 9-10. Read 180 is a comprehensive system intervention program designed for students to accelerate reading growth and literacy independence. This program is for students reading below grade level. The academic areas of focus are reading (including phonological awareness, phonics/word study, comprehension, fluency, expanding vocabulary, and spelling) and handwriting (including spelling, sentence construction, and planning and revising). Read 180 is designed to maximize student engagement with technology, text, teacher instruction/modeling and peer reflection. This course is to be taken concurrently with an English course.

LITERACY-SYSTEM 44: Grade Level: 9-10. System 44 is an intervention program that meets individual student needs through the systematic instruction in phonemic awareness, phonics, vocabulary, word analysis, spelling and fluency to improve reading skills. Direct teacher instruction guides and reinforces phonics and word strategies while adaptive technology provides individualized practice. This course is to be taken concurrently with an English course.

ENGLISH/READING ACT VICTORY: Grade 11 only. Students will be identified and recommended for this class based on the PLAN scores from grade 10. This is a one semester course designed to increase ACT achievement using Cambridge Victory Program.

SOCIAL STUDIES

AP UNITED STATES GOVERNMENT AND POLITICS: Grade Level: 12. One semester. This course provides students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will study the constitutional underpinnings of democracy, political parties and interest groups, the Congress, the Presidency, the bureaucracy and Federal courts, institutions and policy processes, and civil liberties and civil rights. This course should thus develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for the AP exam. This course may be used to fulfill a graduation requirement. *quality points/weighted grade
ECONOMICS: Grade Level: 12. One semester. This course utilizes Document Based Questions as a form of assessment. This course covers the topics of economic thinking, economic systems, supply, demand, prices, market structures, business organizations, labor, personal finance, macroeconomic measures and concerns, monetary and fiscal policy as well as international trade. This course may be used to fulfill a graduation requirement.

SOCIOLOGY 1 & 2: Grade Level: 10-12. One semester. Sociology is the study of human relationships within a social or group setting. The high school and American societies will serve as the focus for such topics as the cultural impact upon behavior, the process of adopting social norms and values, the identification of social deviants and the effects of labeling, the causes and reduction of prejudice, and the impact of social class upon life experiences.

UNITED STATES HISTORY: Grade Level: 11. Year long. This course utilizes Document Based Questions as a form of assessment. The course starts with a review of European Colonization, the American Revolution and westward expansion. The first semester continues with an in depth look at U.S. history through World War I. Second semester covers events from the 1920’s to the present. This course may fulfill a graduation requirement.

UNITED STATES GOVERNMENT AND POLITICS: Grade Level: 12. One semester. This course utilizes Document Based Questions as a form of assessment. This course presents America’s political system with an emphasis on the origins of our government, federalism, and three branches of government, civil rights and liberties, interest groups, and political behaviors. This course may be used to fulfill a graduation requirement.

WORLD GEOGRAPHY: Grade Level: 9. Year long. In this course, students will utilize aspects of human and physical geography to study different regions of the world through global issues. Students will examine how humans adapt to their environments, how nations rely on each other, and how environments are changed by human interactions with one another and the environment itself. This course makes use of Document Based Questions as a form of assessment and may fulfill a graduation requirement.

WORLD HISTORY: Grade Level: 9. Year long. This course utilizes Document Based Questions as a form of assessment. First semester students will study themes of history, ancient civilizations, major religions, as well as the Dark Ages, Age of Exploration, and the beginning of the Renaissance. Second semester continues with the Renaissance through the twentieth century. This course may fulfill a graduation requirement.

AFRICAN AMERICAN HISTORY: Grade Level: 10-12. This elective course provides positive insights into the achievements of African Americans from the beginnings of the country to the present. Note: This course is not a substitute for the required United States history course.

CRIMINAL LAW: Grade Level: 10-12. One semester. This course will provide practical information and problem solving opportunities in the area of criminal law. The course will develop the knowledge and skills needed to survive in this "law saturated" society, along with a willingness and capability to participate effectively in the legal and political systems of our community, state, and country.

LATIN AMERICAN HISTORY: Grade Level: 10-12. History of Latin America is an elective course for students who wish to strengthen and expand their knowledge of Latin American civilizations. This one-year course focuses on Latin American History beginning with pre-Hispanic cultures and with culminating contemporary issues.

PSYCHOLOGY: Grade Level: 10-12. This introductory course provides insight and practical information in the field of psychology. Topics will include learning, memory, the workings of the mind, personality, attitude, emotions, and abnormal psychology.
WORLD AFFAIRS 1 & 2: Grade Level: 10-12. Two semester sequence. World Affairs exposes students to customs, traditions, and heritage of people from around the globe. Inquiry into political, economic, and social problems or events perplexing the world today. Students will read, discuss and compare ideas expressed in a variety of news media including Rockford Register Star, Chicago Tribune, Newsweek magazine, U.S. News and World Report magazine, Time magazine, ABC, CBS, NBC national television, CNN and the Internet. This course cannot replace the World History of World Geography requirement.

MATHEMATICS

ALGEBRA 1: This course is a comprehensive algebra course that lays the foundation for all other high school math courses. The topics are fully aligned to Common Core and build on quantitative reasoning and number sense to understanding linear, exponential, and quadratic equations along with statistics, probability, and an introduction into coordinate geometry.

ALGEBRA 2: Prerequisite: Geometry. This course is a second year algebra course expanding concepts from Algebra 1 and introducing synthetic division, absolute value equations and inequalities, quadratic inequalities, determinants and matrices, and conic sections.

COLLEGE ALGEBRA: Prerequisite: Algebra and Geometry. This course presents a brief review of Algebra including basic terminology, notations, concepts, and skills. It introduces algebraic proof, complex numbers, absolute value and quadratic inequalities, determinants and matrices, conic sections, polynomial equations, sequences and series, math induction, and the binomial theorem.

GEOMETRY: Prerequisite: Algebra 1 or Honors Algebra 1. This course builds on the Algebra 1 skills with application of geometric principles to the physical world. The topics are fully aligned to Common Core and include coordinate geometry, plane geometry, along with an emphasis on inductive and numerical reason.

INTRODUCTION TO STATISTICS: Prerequisite: Algebra 1. This course acquaints students with the basic ideas and language of statistics. It introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data that is provided or data that students obtain from experiments or surveys. Students use exploratory methods to identify patterns and make decisions to solve real-life problems.

PRECALCULUS: Prerequisite: Algebra 1. A course in the study of algebraic, exponential, logarithmic, and trigonometric functions and their graphs. It contains investigations of the conic sections, transformations, parametric equations, and analytic proof along with the study of right and oblique triangles including identities, equations, radian measure, vectors and polar coordinates.

TRIGONOMETRY: A full year course. Prerequisite: Geometry and College Algebra. This is a college preparatory course with emphasis on 6 trigonometric functions. Trigonometry includes verification of identities, graphing the 6 trigonometric functions and their inverses, solving trigonometric equations, the law of sines and cosines and DeMoivre’s Theorem. Applications of the topics are included.

MATH TOPICS: Prerequisites: Algebra 1 and Geometry. This is a full year course that extends and reinforces Algebra and Geometry skills in an application based format. Students will gain mathematical literacy by learning how mathematics is applied in everyday life.

MATH ACT VICTORY: Prerequisite: Grade 11 only. Students will be identified and recommended for this class based on the PLAN scores from grade 10. This is a one semester course designed to increase ACT achievement using Cambridge Victory Program.
SCIENCE

BIOLOGY: Grade Level: 9. Year long. This course focuses on the major topics of life science using scientific inquiry. First semester concentrates on ecology, classification, and cells. Second semester on evolution and genetics.

ENVIRONMENTAL SCIENCE: Grade Level: 9-12. This is a course focused on environmental issues including ecological principles, population dynamics, resources, energy resources and human interaction with the environment. This is a project-based course where students will develop and implement a plan to improve resources in areas adjacent to their school.

PHYSICS: Grade Level: 11-12. Students must have or purchase a scientific calculator. This course includes topics such as mechanics, thermodynamics, waves, sound, optics, electricity, and magnetism. Algebraic and geometric concepts are used extensively in this course. This course is intended for those planning or majoring in science or a science related field in college. Laboratory work is a significant part of this course.

CHEMISTRY: Grade Level 10-12. This course focuses on the study of matter and the changes matter undergoes, formula writing, equation writing, stoichiometry, and matter-energy relationships. In this course algebra and geometry are applied to show the mathematical expression of chemical concepts. Laboratory work is a significant part of the course. A scientific calculator is required.

EARTH SCIENCE-ASTRONOMY & METEOROLOGY: Grade 10-12. Lab Fee $5.00. This semester course focuses on astronomy and meteorology. Topics covered will include an introduction to the cosmos as well as the Earth’s place in the Universe. Meteorology will include the atmosphere, weather, and climate. Offered in conjunction with Earth Science: Geology & Oceanography.

EARTH SCIENCE-GEOLOGY & OCEANOGRAPHY: Grade Level: 10-12. Lab Fee $5.00. This semester course consists of an introduction to geology and resource management. Included in this course will be a major emphasis on cartography, constructive and destructive forces, and Earth’s history. This course will include environmental issues and laboratory procedures. Offered in conjunction with Earth Science: Astronomy & Meteorology.

ZOOGOLOGY: Grade Level: 10-12. Lab Fee $5.00. This is a course designed for students interested in further study of the invertebrate and vertebrate animal kingdom. Topics include classification, structure/function, and change/diversity of animals. Laboratory work is a significant part of this course, with a focus on microscope usage and dissection. Suggested completion of Biology.

PHYSICAL EDUCATION/HEALTH

HEALTH: Grade Level: 9-12. One semester. Students are required to take one semester of Health during high school. Health includes the following topics: mental and emotional health, stress management, CPR and first aid, understanding medicines, tobacco, alcohol, illegal drugs, human growth and reproduction, and health careers/ agencies. Most buildings offer this either freshman or sophomore year. See high school counselor for building recommendations.

GROUP EXERCISE: Grade Level: 10-12. One semester. Group Exercise is designed to improve fitness levels through group exercise activities. Activities may include, but are not limited to: Pilates, yoga, metabolic resistance training circuits, and high intensity interval training (HIIT). Group Exercise includes heavy emphasis on fitness concepts and conditioning and all students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.
PERSONAL FITNESS: Grade Level: 10-12 (9th grade students may enroll with instructor and counselor approval). One semester. Personal Fitness is a semester course designed for students who are interested in increasing their personal fitness levels, learning how to live a healthy lifestyle and make appropriate choices, and increase their awareness of community recreational and fitness opportunities. This course is designed for students who want or need to improve their personal fitness and need a gradual approach. This class is also recommended for any long term medically excused students. All students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.

TEAM SPORTS: Grade Level: 10-12. One semester. Team Sports is designed to increase fitness levels through the use of competitive team games and modified sport situations. This course may include: basketball, volleyball, softball, soccer, flag football, broomball, speedball, ultimate Frisbee, rugby, handball and/or additional sports. Team Sports includes heavy emphasis on fitness concepts and conditioning and all students enrolled will be assessed for individual growth using a minimum of the FitnessGram PACER test; additional FitnessGram test batteries may also be used.

CAREER/TECHNICAL EDUCATION

FRESHMAN SEMINAR: Grade Level: 9. One semester. All freshmen will be placed in the Freshman Seminar course. Students taking the Independent Study version of the course need to have reliable access to the Internet and Microsoft Office Applications. Strong time management skills and self-determination are critical attributes needed for successful completion of this course as Independent Study. In addition to independent and online work, students will be required to attend routine meetings with the course instructor. Freshman Seminar combines career exploration and development with special emphasis on success skills, communication skills, critical thinking and problem solving skills, and personal qualities (responsibility, self-esteem, self-management, and integrity).

DAY CARE AIDE: This course is for students who enjoy teaching and learning about preschool children. Students will assist in the school’s day care center, including any or all household tasks. Before students can assist in the day care center, they will need a current TB skill test and a police background check. If the student is 18 years or older, they will also need to be fingerprinted.

PARENTING: This course is designed for students who want to explore the wonderful and challenging world of parenting. Students do exercises that will help them make informed decisions about becoming or being a parent. They also discuss the challenges and theories associated with parenthood.
CHILD DEVELOPMENT: Grade Level: 10-12. Lab Fee: $10.00. This course introduces students to responsible nurturing and basic applications of child development theory. 21st century emphasis is on care providers’ responsibilities for and influences on children. The course content will reinforce students’ skills in communication, resource management and problem solving. It will also highlight the ways infants, toddlers and preschoolers develop physically, emotionally, socially and intellectually. Activities include field trips, guest speakers, computer applications for intranet research; problem based learning schemas and tests. The “Baby Think it Over” project is included.

EDUCATION AND CHILD CARE CAREERS: Grade Level 11 – 12. Prerequisite: Child Development. This is a year-long course designed to introduce students to the wide variety of careers found in education and to expose them to the licensing and education requirements needed to access careers in education. Students will examine the historical roots of education and examine the current political, economic, and pedagogical factors which impact our schools. During the second semester of this course, students will develop lessons for instruction based in a traditional classroom and through online course offerings. This course will combine opportunities to observe and engage with classrooms, and practice developing, implementing, and assessing curriculum.

STUDENT LEADERSHIP: Grade Level: 11-12. Students will have the opportunity to develop leadership skills and techniques which prepare them for effective one-on-one and group work settings. In addition to leadership skills, the course will focus on interpersonal relationships and the value of role models. The application of these skills will be to organize community service events to include mentoring to students in their school.

BEGINNING COMPUTER APPLICATIONS: Grade Level: 9-12. One semester. Lab fee required. This course is an introduction to computer applications including keyboarding, basic computer knowledge, and basic computer operations including word processing and formatting, presentation software, spreadsheets, graphic arts, and programming. Students will be introduced to basic skills in Microsoft Office.

BUSINESS AND TECHNOLOGY CONCEPTS: Grade Level: 9-12. Lab fee required. Recommended prerequisite: Beginning Computer Applications. This course is a required course for the BAMIT Academy, Business, Accounting/ Finance and Information Technology Pathways. Students are introduced to core business concepts and the role that business plays in the economic well-being of the United States. Topics included are entrepreneurship opportunities, identifying market needs (global and domestic), financing and managing a business, economics of business, and the use of technology in the business world. Students will advance their skill level in Microsoft Office programs.

ADVANCED COMPUTER CONCEPTS AND APPLICATIONS: Grade Level: 9-12. Lab fee required. Prerequisite: Beginning Computer Applications or Business Tech Concepts. This course is designed to increase opportunities to succeed in the work force after graduation or continued education at a community college or university. Students will master skills in Microsoft Office Beginning Word, Excel, PowerPoint, and Access. Students successfully completing the course may elect to test for Microsoft Office User Specialist (MOUS) Core Certification.

INFORMATION PROCESSING Grade Level: 11-12. Prerequisite: Advanced Computer Concepts and Applications. Lab fee required. This course is designed to increase opportunities to succeed in the work force after graduation or continued education at a community college or university. Students will master skills in Microsoft Office Expert, Word, Excel, PowerPoint, and Access (Outlook optional). Students successfully completing the course may elect to test for Microsoft Office User Specialist (MOUS) Expert Certification.
ACCOUNTING I: Grade Level: 10-12. Lab fee required. Recommended prerequisite: Business & Tech Concepts. A skill level course valuable to students pursuing business, marketing and management programs. This course provides learning experiences and activities for keeping, summarizing and analyzing financial records. In addition to stressing fundamental concepts and terminology of accounting, instruction will provide initial understanding of financial reports, computer applications, development of proper work habits and employability skills, and exploration of career opportunities. Topics include use of double entry accounting systems, mechanics of the accounting cycle, recording transactions in a general journal, recording transactions in special journals, posting to general journal, posting to special journals, and preparing financial statements particularly concepts for proprietorships and corporations. Additional topics include accounting for special procedures such as cash funds, receivables, payables, depreciation and inventories particularly concepts and procedures for corporations.

ACCOUNTING II: Grade Level: 11-12. Lab fee required. Prerequisite: Accounting I. Accounting II is a skill level course that builds upon the foundation of Accounting I. In addition to stressing fundamental concepts and terminology of accounting, this course continues the study of accounting to include the use of special journals and the posting procedures to special ledgers. Additional topics include accounting for special procedures such as cash funds, receivables, payables, depreciation and inventories particularly concepts and procedures for partnerships.

VIRTUAL ENTERPRISE: Grade Level: 11-12. Lab fee required. Prerequisite: Business and Technology Concepts. Also recommended: a 2nd year computer class and Accounting I. This class will build on Business and Technology Concepts in the area of business that will include all aspects of business. Areas of study include: business history, the free enterprise system, what it is to be an entrepreneur, business structures, marketing, ethics, business law, business management, international business, ecommerce and the art of successful sales. Students will have an opportunity to work through the process of developing, proposing, and creating a business.

MACHINE OPERATOR 1: This course is a general overview in the use of standard machines such as the drill press, lathe, surface grinder, mill, band saw, and metal fabricating machine. The student will also receive instruction in small machine repair and the use of hand tools. Safety and preventive maintenance are emphasized throughout this course, as well as work attitudes, attendance, punctuality, and following directions.

MACHINE OPERATOR 2: Prerequisite: Machine 1 or instructor’s approval. This course continues with machining principles as applied in the introductory level of Machine 1. It introduces units in CNC Milling and CNC Turning. A vertical mill and lathe will be used to provide product simulation. Introduction of welding principles (gas, arc, mig) will be used to manufacture or remanufacture parts as necessary.

ORIENTATION TO AUTO SERVICE: Prerequisite: Teacher’s approval. This course is designed to allow students to learn and perform various tasks which can lead to employment in a variety of auto service careers. Students will learn major parts of an automobile, auto safety rules, general repair and maintenance of an automobile and jobs related to auto service will also be covered.
ORIENTATION TO CONSTRUCTION: Grade Level 10 – 12. Prerequisite: Introduction to Industrial Technology and Engineering. This course exposes students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects.

WORK STUDY 1: This course is an introduction to the career world. It gives students the opportunity to explore their areas of interest, create a resume and write a letter of application. Students also do exercises focusing on keeping a job and money management. Students will also work on consumer cases and the rights and obligations of the consumer. A significant part of this class will focus on a profiling activity where students will profile a job by shadowing an employee in a particular career area.

WORK STUDY 2: Prerequisite: Work Study 1. One semester. 1 hour = 1 credit. This course is designed for students wishing to continue with their work experience. The classroom will focus on more specific work skills as articulated by the Department of Labor in the 1991 SCANS 2000 report. Class content will correlate with the work experience.

INTERNSHIP: Grade Level: 11-12. Lab fee required. 2 credits per semester. Suggested Prerequisite: Business & Technology Concepts. This course allows students to experience the benefits of work training while participating in a classroom with students in numerous other occupational areas. The teacher-coordinator and training site sponsor develop unique training plans for students based on occupational goals while related instruction is pertinent for all students enrolled in the class. This class will be offered the last or first two hours of the day for ease of mainstreaming into industry.

VISUAL ARTS
For a complete listing of visual arts courses, please refer to pages 32—34 of this guide.

MUSIC
BEGINNING PIANO KEYBOARD (15224): Grade Level: 9-12. Lab Fee: $25.00. This course is a group piano class where students work individually on their own keyboard. Students will improve reading, technical, and performance skills. Basic skills will be taught including scales, etudes, and music theory. Participants are expected to perform as an individual and an ensemble throughout the year at various school and community events.

BEGINNING ACOUSTIC GUITAR ENSEMBLE (15221): Grade Level: 10-12. Lab Fee: $25.00. Beginning and intermediate guitar students study the techniques of guitar playing, rhythm section playing, sight reading, various styles of music and basic musicianship. Guitar techniques include chords, scales, strums and picking styles. Students must provide their own acoustic guitar. This course may not be repeated.

MUSIC EXPLORATIONS (15240): Grade Level: 9-12. One semester. Lab Fee: $25.00. This beginning level course is designed as an overview and introduction to music appreciation and exploration, through hands-on lab stations and presentations. Labs include: piano keyboard, acoustic guitar, voice, rhythm instruments, computer, listening, reading and writing about music from all over the world and from various time periods.

ARTS AND HUMANITIES (15150): Grade Level: 9-12. One semester. Lab Fee: $25.00. This course is designed to investigate the cultural impact the arts have had on society over time. The course will look at ancient and contemporary arts examples to distinguish their relevance and connections to cultural and historical aspects of each time period.
Creative and Performing Arts (CAPA) at Auburn High School

MEDIA & THEATRE ARTS

INTRODUCTION TO CAPA THEATRE (62100): Lab Fee: $25.00. Prerequisite: CAPA student. An intense immersion into the art form of Theatre. Students will be expected to hone performing as well as basic technical skills. Portfolio work, terminology and theatre history will be included. Students will learn the basic techniques of good critique, and will learn shop safety. Students are required to participate in a theatre production, and must attend all major Auburn Theatre productions. In addition; 15 CREW HOURS PER SEMESTER ARE REQUIRED FOR THIS COURSE.

CAPA BASIC ACTING STYLES (62103): Lab Fee: $25.00. Prerequisite: CAPA student, Introduction to Theatre, or Drama 1-2 and consent of instructor. Students will focus on developing professional attitudes, continue portfolio work, create a resume, and study theatre history. Students are required to audition for all theatre productions. Specialized acting vocabulary, formalized critique formats, and the study of the proscenium stage will be highlighted. Students are required to audition and participate in the One-Acts, and must attend all major Auburn Theatre productions. In addition; 20 CREW HOURS PER SEMESTER ARE REQUIRED FOR THIS COURSE.

CAPA ADVANCED THEATRE SEMINAR (62109): Lab Fee: $25.00. Prerequisite: CAPA student, Basic Acting Styles or Advanced Technical Theatre, and consent of instructor. Focus is on collaboration, non-proscenium staging, directing techniques, and exhibiting professional attitudes. Students will collaborate on an original/major production as well as polish their resumes, which will include a videotaped portion of the individuals work. Individuals are required to audition and participate in the One-Acts, and must attend all major Auburn Theatre productions. Senior level students must be prepared to submit their resume and audition at the Illinois High School Theatre Festival. Additional Crew hours per semester are required.

CAPA MEDIA PRODUCTION I (62118): Lab fee: $25.00. Prerequisite: CAPA student. Designed to provide students with solid, introductory level experiences in a variety of media forms, including television, radio, film and the Internet. This course will survey the historical and social significance of the media in our culture. Students will develop a basic working knowledge of the tools used in the production of media projects. Communication, leadership, creative problem solving, teaming and interpersonal skills will be of high priority. As both an interdisciplinary course and a resource for all school departments, the students will have multiple opportunities to engage in creative work through the use of appropriate and current technology. Five after school studio hours per semester are required.

CAPA MEDIA PRODUCTION II (62121): Lab Fee: $25.00. Prerequisite: CAPA student and recommendation of teacher. A continuation of training with an emphasis on placement in the professional community through internships. The focus of instruction will be on the development of training and industrial films. 15 AFTER SCHOOL STUDIO HOURS REQUIRED.

CAPA INTRODUCTION TO TECHNICAL THEATRE (62124): Lab fee: $25.00. Prerequisite: CAPA student. One semester. This course introduces to the student the complex workings behind the scenes of the entertainment business. Students discover the many and varied elements of stagecraft that are needed to mount a stage production: scenic, lighting, sound, publicity, costuming and make up. In addition, this course provides the student with a basic working vocabulary of the business and an understanding of the necessary procedures and methods that help meld together the creative and technical elements into one common goal. This course enables the student to explore the variety of career opportunities in the field and lead them towards the option of choosing Technical Theatre as their Pathway in the Human and Public Services Academy (HPS). This course emphasizes the importance of real world skills such as
collaboration, teamwork, decision-making, the duality of right-brained and left-brained skills, long range and short term planning, meeting deadlines, critical thinking, and the pride of creating a final product. **Requirements:** 5 or more hours of crew work, attend or be part of a school's stage production, write a Technical Critique of a live stage production.

**CAPA TECHNICAL THEATRE AND SCENIC DESIGN (62106):** Lab Fee: $25.00. Prerequisite: CAPA student. Introduction to Theatre or Technical Theatre 1-2 and consent of instructor. Students will learn construction and drafting techniques. They will demonstrate proficiency in basic lighting, painting, scenic design, critique forms, construction methods, crew management and shop safety. Scenic design for the non-proscenium stage, non-realistic styles and multi-set shows will also be covered as well as theatre history, resumes and student portfolios. Each student will be required to perform in at least one production crew per semester. Senior level students must be prepared to submit their resume and audition at the Illinois High School Theatre Festival. Students must attend all major Auburn Theatre productions and work 25 crew hours per semester.

**CAPA ADVANCED TECHNICAL THEATRE (62150):** Lab Fee: $25.00. Prerequisite: CAPA Student. Technical Theatre and Scenic Design. This course is a progressive, advance course introducing students to the theory of theatre technology. It includes participation in construction, mounting, and running of school productions. Twenty hours outside of class time are required. Can be repeated.

**CAPA THEATRE PRODUCTION (62127):** Grade level: 12. Lab fee: $25.00. Prerequisite: CAPA student. **Year long.** This course is the capstone of the Tech Theatre pathway, focusing on original production designs constructed, mounted and run for theater productions. Portfolios and resumes development will prepare students for college reviews. **Requirement:** twenty hours outside of class time.

**VISUAL ARTS**

**CAPA INTRO TO ART & DESIGN (62255):** Grade Level: 9. One semester. Lab Fee: $15.00. This course emphasizes developing creative ideas and problem-solving skills while providing students with an introduction to the visual arts. This class will give students the foundation necessary to expand into more specialized art areas. The studio activities will focus on design and composition while developing skills and an understanding of drawing, painting, sculpture, and computer imaging. Students will explore a variety of media and techniques as well as deepen their appreciation of art making through a global and historical perspective. Units are constructed to engage student learners while helping them see, analyze, create, understand, and articulate their experiences of the visual world.

**CAPA STUDIO ART FOUNDATIONS (62200):** Grade Level: 9-12. Lab Fee: $25.00. Prerequisite: CAPA student. This class provides a basic foundation of art concepts experimenting with design, a variety of 2 and 3 D media, and a focus on art history. The student will learn technical skills in a variety of styles and approaches while also being able to creatively express him or herself. The need to develop good studio habits and art vocabulary are valued as basis for following levels.
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**CAPA STUDIO ART 1 (62203):** Grade Level: 10-12. Lab Fee: $25.00. Prerequisite: CAPA student. Portfolio review and consent of instructor. This class provides a basic foundation of art concepts experimenting with design, a variety of 2 and 3D media, and a focus on art history. The student will learn technical skills in a variety of styles and approaches while they explore their creative process. This class will also explore multi-media combinations as well as contrasting concepts of realism, distortion, and abstraction. Careers applied in the visual arts are explored. Further development of good studio habits and art vocabulary are stressed with culmination to the critiquing process.

**CAPA INTRO TO GRAPHIC DESIGN (62256):** Grade Level: 9. One semester. Lab Fee: $25.00. This course is an overview introducing students to simple image manipulation on the computer. The class will cover the history of computer graphics and teach industry standard software and procedures. Studio and digital projects will allow students to learn the elements and principles of art as a basis for good design.

**CAPA GRAPHIC ART & DESIGN (62209):** Lab Fee: $25.00. Prerequisite: CAPA student, Studio Art Foundations or Intro to Graphic Design, or consent of instructor. This course explores how technology can be used in creating photo-edited images. Students will learn design and composition concepts by using industry standard software, Photoshop, Illustrator and Quark Express. The students will be introduced to commercial art production and graphic art design. This course will also focus on the principles of basic design used in advertising and marketing. Students will master design principles regarding typography, color, special effects, video editing and informational graphics. Fine art principles and elements will be incorporated throughout the graphic design process.

**CAPA 2-D STUDIO ART II (62206):** Grade Level: 11-12. Lab Fee: $25.00. Prerequisite: CAPA student, Studio Art I. This class provides a unique opportunity for cross-integration of learning experiences, varying from teacher-guided projects to individualized self-directed projects. Continued attention is emphasized on; studio practice, critiquing skills, and knowledge of art history. Inquiry and presentation provide an avenue for honing verbal communication skills. Professional craftsmanship and presentation of finished work are stressed. Portfolio development for college/scholarship application and career pursuit are encouraged.

**CAPA 2-D STUDIO ART III (62215):** Grade Level: 12. Lab Fee: $25.00. Prerequisite: CAPA student, Studio Art-I or consent of instructor. This course requires portfolio development. A portfolio is a presentation of a body of art work with consistent quality, related themes, and demonstrates independent work ethic and craftsmanship representing a wide range of media. This course is for those students interested in college, art school, or visual art employment. An additional expense is required for matting artwork for portfolio presentation and exhibition.

**CAPA 3-D SCULPTURE I (62232):** Grade Level: 10-12. Lab Fee: $25.00. Prerequisite: CAPA student, Studio Art Foundations. A variety of methods of working with sculpture will be explored. Projects will emphasize problem solving, experimentation, expression, craftsmanship and originality. Historical, contemporary and cultural examples are studied.

**CAPA 3-D SCULPTURE II (62235):** Grade Level: 11-12. Lab Fee: $25.00. Prerequisite: CAPA student, 3-D Studio Art-I. This is a third year course for the serious art student. It provides the opportunity for more in-depth study and experimental approaches to 3-dimensional forms. An additional expense is required for displaying sculptures for portfolio presentation and exhibition.

**AP STUDIO ART: DRAWING (15141):** Lab Fee: $25.00. Prerequisite: 2-D Studio Art II. AP Studio Art: Drawing is designed to address drawing issues and media. This course promotes the investigation of all three aspects of portfolio development – quality, concentration, and breadth. The AP portfolio’s three-section structure requires the student to show mastery in concept, composition, and execution of drawing. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: Drawing must take the AP exam which is a performance based
Creative and Performing Arts (CAPA)

exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for matting artwork for portfolio presentation and exhibition. *quality points/weighted grade

*AP STUDIO ART: 2-D DESIGN (15144): Lab Fee: $25.00. Prerequisite: 2-D Studio Art II. The AP Studio Art: 2-D Design course is designed to address two-dimensional (2-D) design issues and media. This course promotes the investigation of all three aspects of portfolio development -- quality, concentration, and breadth. The AP portfolio's three-section structure requires the student to show mastery in concept, composition, and execution of 2-D design through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: 2-D Design must take the AP exam which is a performance-based exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for matting artwork for portfolio presentation and exhibition. *quality points/weighted grade

*AP STUDIO ART: 3-D DESIGN (15147): Lab Fee: $25.00. Prerequisite: 3-D Studio Art I. AP Studio Art: 3-D Design is designed to address sculptural issues and media. Design involves purposeful decision making about using the elements and principles of art in an integrative way. This course promotes the investigation of all three aspects of portfolio development -- quality, concentration, and breadth. The AP portfolio’s three-section structure requires the student to demonstrate mastery in concept, composition, and execution of 3-D design through any three-dimensional approach. The AP Studio Art program sets a national standard for performance in the visual arts. Students enrolled in AP Studio Art: 3-D Design must take the AP exam which is a performance-based exam rather than a written exam requiring the submission of a digital portfolio for evaluation. Students who successfully pass the AP Studio Art review may receive college credit. An additional expense is required for preparing and presenting artwork for exhibition. *quality points/weighted grade

VOCAL MUSIC

CAPA CHORUS (62306): Grade Level: 9. Lab Fee: $25.00. This mixed choir course is designed to develop the choral skills of the beginning yet serious high school singer. Students will perform quality literature representing all time periods, genres, and languages of choral music. The emphasis of this performance based choir will be placed on vocal production, sight reading, and aural skills. Chorus may only be taken once. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

CAPA TREBLE CHOIR (62309): Grade level: 9-10. Lab Fee: $25.00. Prerequisite: CAPA student and audition. This course is a women’s choir with a high level of proficiency and commitment. Student will learn proper singing techniques. Each student will learn, study and perform a variety of vocal music including examples from the various stylistic periods of music. Strong emphasis will be placed on independent musicianship, analysis of text, and interpretation. Students may enroll in this course for more than one year but may also audition for CAPA Concert Chorale or CAPA Chamber Singers. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.
Creative and Performing Arts (CAPA)

**CAPA CHAMBER SINGERS (62300):** Grade Level 10-12. Lab Fee: $25.00. Prerequisite: CAPA student and audition. This ensemble will be to become familiar with a variety of advanced choral literature including but not restricted to English part song, Madrigals, Swing and genres of the Jazz idiom. Strong emphasis will be placed on independent musicianship, analysis of text, and interpretation. Students will be required to prepare solo pieces as well as perform in various small group ensembles for public and school performance. Extracurricular small group instruction may be offered weekly. Students may enroll in this course for more than one year. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**CAPA CONCERT CHORUS (62303):** Grade Level: 10–12. Lab Fee: $25.00. Prerequisite: CAPA Student. This course is designed to fully develop the choral musicianship skills of the advanced high school singer. This mixed choir will develop skills taught in beginning and/or treble choral study. Students will perform quality literature representing all time periods, genres, and languages of choral music. Strong emphasis will be placed on independent musicianship, analysis of text, and interpretation. Students may enroll in Concert Chorus for more than one year. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**CAPA MUSIC APPRECIATION/HISTORY (62250):** Grade Level: 10-12. One semester. Lab Fee: $15.00. Prerequisite: prior musical experience. This course is designed to investigate the cultural impact music has had on society over time. The course will look at ancient through contemporary music examples to distinguish the relevance and connections to cultural and historical aspects of each time period.

**AP MUSIC THEORY (15230):** Grade Level: 10-12. Year long. Lab fee $15.00. Prerequisite: prior musical experience. A course for students interested in an introduction to a college Music Theory course. This course follows a similar outline to the Advanced Placement (AP) curriculum. Topics addressed in depth include musicianship, theory, musical materials, and procedures. *quality points/weighted grade

**CAPA ADVANCED JAZZ ENSEMBLE (62503):** Grade Level: 9-12. Lab Fee: $25.00. Rental Fee: $60.00 instrument rental. Prerequisite: CAPA student, Jazz Ensemble and/or the consent of instructor, must be a member of another band. This class will require students to have a working knowledge of the jazz idiom and a basic knowledge of improvisation and sight reading skills. Advanced Jazz band will study in-depth jazz styles and theory and composition. Students may enroll in this course for more than one year. This group will perform at various school and community functions. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**CAPA KNIGHT BAND (62400CP):** Prerequisite: Middle school and or consent of instructor. Band Fee: $25.00. School Instrument Rental Fee: $30.00. This advanced band is made up of all freshmen rolling up from the middle school program, developing technical proficiency and musical knowledge. Several performances throughout the year will be required. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**CAPA CONCERT BAND (62403):** Band Fee: $25.00. Rental Fee: $60.00 instrument rental. Prerequisite: CAPA Student. Audition. Concert Band is made up of seniors, juniors sophomores enrolled in band. The material performed varies from marches to popular to classical. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.
Creative and Performing Arts (CAPA)

**CAPA ADVANCED WIND ENSEMBLE (62409):** Band Fee: $25.00. Rental Fee: $60.00 instrument rental. Prerequisite: CAPA Student. Audition. Advanced Wind Ensemble is made up of all qualified juniors and seniors in the band program. The repertoire material will be advanced. Students may enroll in this course for more than one year. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**GENERAL MUSIC**

**CAPA PIANO KEYBOARD LAB (62600):** Grade Level: 10-12. Lab Fee: $25.00. Prerequisite: CAPA Student. Audition. This is an advanced piano class where students work individually on their own keyboards. Students will improve reading, technical, and performance skills on the keyboard. Advanced skills will be emphasized including all major and minor scales, arpeggios, improvisation, and more advanced music theory. Students will also work on their own compositions with music technology. Participants are expected to perform as an individual and an ensemble throughout the year at various school and community events.

**CAPA ADVANCED PIANO KEYBOARD LAB (62603):** Grade Level: 9-12. Lab Fee: $25.00. Prerequisite: CAPA student and audition. This is an advanced piano class where students work individually on their own keyboards. Students will improve reading, technical, and performance skills on the keyboard. Advanced skills will be emphasized including all scales, arpeggios, improvisation, sight-reading, ensemble playing, and advanced music theory. Students will also work on their own compositions with music technology. Participants are expected to perform as an individual and an ensemble throughout the year at various school and community events.

**CAPA MUSIC COMPOSITION LAB (62606):** Grade Level: 10-12. Lab Fee: $25.00. Prerequisite: CAPA Student. Piano Keyboard Lab. This course is designed for students with an intermediate knowledge of music and is interested in arranging and composing their own pieces. Composition will be created through the use of a technology lab and utilizing software and online resources to assist in the development of student musical arrangements and compositions.

**STRINGS**

**CAPA STRING ENSEMBLE (62700):** Lab Fee: $25.00. Rental Fee: $30.00 instrument rental. Prerequisite: CAPA student, audition and some previous experience in a string instrument. This course will primarily be students looking to develop their technical proficiency and musical knowledge. This year string training will enable students to advance in their skills. Students will be assigned small ensembles (i.e., trios, quartets) to rehearse in class. Students may enroll in this course for more than one year. These ensembles will have opportunities to perform at special events at Auburn High School, District 205 and the community. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

**CAPA SYMPHONIC ORCHESTRA (62703):** Activity Fee: $25.00. Rental Fee: $30.00 instrument rental. Prerequisite: CAPA students, audition. This course is an advanced group of musicians who work on techniques, literature, and performance. The music studied advances performance skills and covers all periods and styles. Concerts will include playing full orchestra music including wind, brass, and percussion players. This class is offered for students who are interested in performing advanced orchestral literature. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class. Students are also encouraged to participate in statewide festivals and competitions. Students will be assigned small ensembles to rehearse in class. These ensembles will have opportunities to perform at special events at Auburn High School, District 205 and the community. Students may enroll in this course for more than one year.
Creative and Performing Arts (CAPA)

DANCE

BEGINNING CAPA DANCE (62800): Prerequisite: CAPA student. Students begin with the essentials of technique that combine and isolate movements in simple coordination. This course provides an introduction to all major dance techniques; through each style, students will accomplish a better sense of musicality and the ability to perform with others in unison or canon using spatial clarity. Overall, levels of strength flexibility and endurance will develop through the understanding of a detailed movement vocabulary. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

INTERMEDIATE CAPA DANCE (62803): Prerequisite: Beginning CAPA Dance. In this level, students will deepen their overall technical strength by practicing and improving their precision and clarity of movement. Technical exploration will become more specific to certain styles of dance including a look at cultural styles of movement. Within the teacher’s framework, students will structure phrases & sections of dance while analyzing aesthetic principles of movement. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

ADVANCED CAPA DANCE (62809): Prerequisite: CAPA student, Intermediate CAPA Dance. Students will begin to find a mastery of specific technical goals; students will analyze how different art forms will combine to create an interdisciplinary work. They will also learn the importance of recording processes of composition through journaling and other written forms. This level of dance focuses on the improvement of movement patterns in relation to spatial elements. Students will examine potential careers in the arts and in dance related fields. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

CAPA HISTORY AND CHOREOGRAPHY OF DANCE (62816): Prerequisite: CAPA student. This course is for the dance and theatre student who seeks an in-depth look at dance history and a greater opportunity to develop his or her role as a choreographer. Students will learn to connect individual dancers and choreographers to movement trends and periods of dance history, as well as examine cultural dance. This course will allow students to experience a deeper awareness of the structuring of dances for musical theatre. It will also provide students the forum in which they can make artistic decisions regarding accompaniment, theatrical sets, lighting and costumes. Mandatory outside of class time spent rehearsing/performing is part of the assessment for this class.

INTERNSHIPS

THEATRE (62112)
VISUAL ARTS (62120)
MUSIC (62130)
DANCE (62140)
MEDIA PRODUCTION (62143)

Lab Fee for each course: $25.00. Prerequisite: CAPA student in any of the arts disciplines- Dance, Music, Theatre, Media Production, or Visual Arts. Any three CAPA courses and instructors consent. Intended as an upper-level CAPA offering for students from all arts disciplines. This unique offering will give students the opportunity to collaborate as an interdisciplinary team and create new forms of artistic expression. The second major thread involves placing individual students out in the community as resource artists. Emphasis will be on how the different art forms are interdependent and active participation in the community. Outside hours working on class projects will be required.
As students develop and progress CAPA Dance is dedicated to providing a broad education that challenges the students artistically, intellectually and physically and to prepare qualified students for college, conservatory and professional careers in dance and related professions. The department develops artistic and creative potential through a sequentially developed curriculum in both technical and theoretical dance courses. Students acquire the basic principles of choreography and a broader understanding of other arts forms and their relationship to dance. Students are provided with numerous performance opportunities including community involvement.

POTENTIAL CAREERS IN DANCE

<table>
<thead>
<tr>
<th>Artistic director</th>
<th>Dance technologist</th>
<th>Choreographer</th>
<th>Physical Therapist</th>
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</thead>
<tbody>
<tr>
<td>Rehearsal director</td>
<td>Masseuse/Masseur</td>
<td>Dancer</td>
<td>Personal trainer</td>
</tr>
<tr>
<td>Dance administrator</td>
<td>Researcher</td>
<td>Studio owner</td>
<td>Occupational therapist</td>
</tr>
<tr>
<td>Dance teacher</td>
<td>Dance notator</td>
<td>Dance/movement therapist</td>
<td>Public relations director</td>
</tr>
</tbody>
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HIGH SCHOOL PATHWAY COURSES

<table>
<thead>
<tr>
<th>Grade</th>
<th>Essential Pathway Courses (select one each year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s) Semester elective (s) CAPA Beginning Dance</td>
</tr>
<tr>
<td>10</td>
<td>CAPA Advanced Dance CAPA Intermediate Dance</td>
</tr>
<tr>
<td>11</td>
<td>CAPA Advanced Dance</td>
</tr>
<tr>
<td>12</td>
<td>CAPA History and Choreography of Dance</td>
</tr>
</tbody>
</table>

Recommended Electives

<table>
<thead>
<tr>
<th>Beginning Band</th>
<th>Keyboard Music</th>
<th>CAPA Level 1-2 Keyboard</th>
<th>AP Music Theory</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAPA Treble Choir</td>
<td>CAPA Intro to Acting</td>
<td>CAPA Level 3-4 Keyboard</td>
<td>CAPA Internship</td>
</tr>
<tr>
<td>Jazz Ensemble</td>
<td>CAPA Basic Acting Styles</td>
<td>CAPA Adv. Keyboard</td>
<td></td>
</tr>
</tbody>
</table>

EXAMPLES OF POST-SECONDARY DEGREES

**Associate’s Degree**
Associate in Arts
Rock Valley College

**Bachelor’s Degree**
Bachelor of Fine Arts Degree in Dance
Northern Illinois University, Illinois State University, University of Illinois, Western Michigan University
As students develop and progress, students will begin assembling their best works into a digital portfolio in the 11th grade year as a record of production, and to use in applications to art schools and universities. Cross-curricular projects, field trips to graphic and media businesses, as well as visiting graphic and media artists, will support and enhance the quality of the program. As production is such an important aspect of the program, students will have numerous opportunities to be a part of graphic and video projects and productions each year.

POTENTIAL CAREERS IN GRAPHIC DESIGN/MEDIA PRODUCTION

- Animator
- Commercial artist
- Communication specialist
- Digital media specialist
- Graphic designer
- Illustrator
- Photo lithographer
- Production manager
- Promotion producer
- Video editor
- Web designer
- Media educator
- Teacher
- Photographer
- Desktop publishing specialist
- Print production coordinator
- Videographer
- Media specialist
- Marketing director
- Multi-media designer

HIGH SCHOOL PATHWAY COURSES

<table>
<thead>
<tr>
<th>Grade</th>
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</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s)</td>
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<tr>
<td></td>
<td>Semester elective (s)</td>
</tr>
<tr>
<td>10</td>
<td>CAPA Graphic Design I</td>
</tr>
<tr>
<td>11</td>
<td>CAPA Graphic Design II</td>
</tr>
<tr>
<td></td>
<td>CAPA Media Production I</td>
</tr>
<tr>
<td>12</td>
<td>CAPA Graphic Design III</td>
</tr>
<tr>
<td></td>
<td>CAPA Media Production II</td>
</tr>
<tr>
<td></td>
<td>Intro to Commercial Art*</td>
</tr>
<tr>
<td></td>
<td>CAPA Web Design</td>
</tr>
<tr>
<td></td>
<td>AP 2-D Design</td>
</tr>
</tbody>
</table>

* = Advance Now—Rock Valley College (s) = semester

Recommended Electives

- CAPA Studio Art Foundation
- Beginning Computer Applications
- AP Studio Art 2-D Design
- CAPA Intro to Art & Design
- CAPA 2-D Studio Art I, II, III
- AP Studio Art 3-D Design
- CAPA Intro to Graphic Design
- AP Drawing
- CAPA Internship

EXAMPLES OF POST-SECONDARY DEGREES

**Associate’s Degree**
- Associate of Applied Science in Graphic Arts Technology
- Rock Valley College

**Bachelor’s Degree**
- Bachelor of Arts Degree in Communications/Media
- Northern Illinois University, Rockford University

**Master’s Degree**
- Master of Fine Arts in Studio Art
- Northern Illinois University
CAPA MUSIC PERFORMANCE AND PRODUCTION PATHWAY

As students develop and progress through the rigor of the technical, emotional and social elements of music. We ensure that our students are ready for the challenges they will meet in post secondary education by requiring courses in music fundamentals and applied music. Our major ensembles include string orchestras, Jazz ensembles, wind ensembles, vocal ensembles as well as premier audition-only chamber ensembles. As performance is such an important aspect of the program, students will have numerous opportunities to be a part of solo and ensemble events and competitions several times each year.

POTENTIAL CAREERS IN MUSIC PERFORMANCE AND PRODUCTION

Audio recording engineer  Entertainment lawyer  Musicologist  Producer  
Composer  Music therapist  Educator  Studio engineer  
Vocalist  Sound engineer  Artistic Manager  Music Journalist  
Instrumentalist  Artistic Director  Music distributor  Public relations specialist

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)  
9  Freshman Seminar (s)  CAPA Knight Band  
    Semester elective (s)  CAPA Concert Chorale  
10  CAPA Concert Band or Chorale  
    CAPA String Ensemble  
    CAPA Concert Chorale  
11/12  CAPA Wind Ensemble  
    CAPA Concert Chorale  
    CAPA Music Appreciation/History  
    CAPA Advanced Keyboard  
    CAPA Symphonic Orchestra  
    CAPA Chamber Singers  
    CAPA Music Composition  

(s) = semester

Recommended Electives

Intermediate Keyboard Music  Beginning Acoustic Guitar  CAPA Level 1-2 Keyboard  AP Music Theory  
CAPA Treble Choir  CAPA Intro to Acting  CAPA Level 3-4 Keyboard  CAPA Internship  
CAPA Basic Acting Styles  CAPA Beginning Dance  CAPA Adv. Keyboard

EXAMPLES OF POST-SECONDARY DEGREES

Associate’s Degree  
Associate of Arts, emphasis in Music Performance  Rock Valley College

Bachelor’s Degree  
Bachelor of Fine Arts Degree in Music  Northern Illinois University, Rockford University

Master’s Degree  
Master of Fine Arts in Music Performance  Northern Illinois University
As students develop and progress, students will begin assembling their best works into a portfolio in the 11th grade year as a record of production, and to use in applications to art schools and universities. Cross-curricular projects, field trips to museums and galleries, as well as visiting artists, will support and enhance the breadth of the program. As production is such an important aspect of the program, students will have numerous opportunities to exhibit several times each year.

**POTENTIAL CAREERS IN STUDIO ARTS**

<table>
<thead>
<tr>
<th>Art director</th>
<th>Arts administrator</th>
<th>Textile designer</th>
<th>Museum education</th>
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</thead>
<tbody>
<tr>
<td>Advertising</td>
<td>Conservator</td>
<td>Architect</td>
<td>Archivist</td>
</tr>
<tr>
<td>Fashion designer</td>
<td>Curator</td>
<td>Animator</td>
<td>Gallery manager</td>
</tr>
<tr>
<td>Illustrator</td>
<td>Arts educator</td>
<td>Art therapist</td>
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<tr>
<td>Photographer</td>
<td>Interior designer</td>
<td>Commercial artist</td>
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</tbody>
</table>

**HIGH SCHOOL PATHWAY COURSES**

**Grade** | **Essential Pathway Courses (select one each year)**
---|---
9 | Freshman Seminar (s)  
| Semester elective (s)  
| CAPA Studio Art Foundations  
| CAPA Intro to Studio Art & Design
10 | CAPA Studio Art I
11 | CAPA 2-D Studio Art II  
| CAPA 3-D Studio Art I
12 | CAPA 2-D Studio Art III  
| AP Drawing  
| CAPA 3-D Studio Art  
| CAPA Web Design  
| AP 2-D Studio Art  
| (s) = semester

**Recommended Electives**

| CAPA Studio Art Foundation | CAPA 2-D Studio Art I, II, III | AP Studio Art 2-D Design
| CAPA Intro to Art & Design | AP Art History | AP Studio Art 3-D Design
| CAPA 3-D Studio Art I, II | AP Drawing | CAPA Internship
| CAPA Media Production | CAPA Technical Theatre |

**EXAMPLES OF POST-SECONDARY DEGREES**

**Associate’s Degree**

Associate of Applied Science in Graphic Arts Technology  
Rock Valley College

**Bachelor’s Degree**

Art, Art Education, Art History, Performing Arts, Studio Arts  
Northern Illinois University, Rockford University, Judson University

**Master’s Degree**

Master of Fine Arts in Studio Art  
Northern Illinois University
As students develop and progress through the rigor of the technical, emotional and social elements of theatre, CAPA Theatre Performance Production Pathway (technical theatre) aims to provide students with an opportunity to participate in multiple components of a theatrical production: design and application, lights, sound, set, costumes, properties and management. Their training will lay the pre-professional groundwork that will provide them with the skills necessary to continue their artistic pursuits at prestigious universities and conservatories.

POTENTIAL CAREERS IN THEATRE PERFORMANCE PRODUCTION

| Architect | Scenic painter | Master electrician | Playwright |
| Director  | Sound designer  | Properties master  | Carpenter  |
| House manager | Lighting designer | Screen writer | Producer |
| Stage manager | Dramaturg | Technical director | Drama therapist |
| Production manager | Interior Designer | Costume Designer | Engineer |

HIGH SCHOOL PATHWAY COURSES

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<tbody>
<tr>
<td>9</td>
<td>Freshman Seminar (s)</td>
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<tr>
<td></td>
<td>Semester elective (s)</td>
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<tr>
<td></td>
<td>CAPA Intro to Tech Theatre (s)</td>
</tr>
<tr>
<td>10</td>
<td>CAPA Tech Theatre and Scenic Design</td>
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<tr>
<td>11/12</td>
<td>CAPA Advanced Tech Theatre and Scenic Design</td>
</tr>
<tr>
<td></td>
<td>CAPA Theatre Production</td>
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Recommended Electives

<table>
<thead>
<tr>
<th>Intro to CAPA Theatre</th>
<th>Speech Communications</th>
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</thead>
<tbody>
<tr>
<td>CAPA Basic Acting Styles</td>
<td>Orientation to Drafting</td>
</tr>
<tr>
<td>Media Production</td>
<td>CAPA Internship</td>
</tr>
</tbody>
</table>

EXAMPLES OF LOCAL POST-SECONDARY DEGREES

Associate’s Degree
Electrical Engineering, Media Production, Technical Theatre, Design and Technical Theatre
Rock Valley College

Bachelor’s Degree
Communication Studies, Media Production, Theatre Arts, Stagecraft and Design, Theatre Studies
Northern Illinois University, Rockford University, Beloit College, Illinois State University, University of Illinois

Master’s Degree
Master of Fine Arts, Design and Technology
Northern Illinois University, Illinois State University, University of Illinois
As students develop and progress through the rigor of the technical, emotional and social elements of theatre, CAPA Theatre Performing Arts Pathway aims to provide students with an opportunity to participate in multiple components of a theatrical production in order to create a comprehensive understanding of the essential elements each component provides. Students will develop world views by exploring dramatic literature that is representative of various cultural perspectives. Their training will lay the pre-professional groundwork that will provide them with the skills necessary to continue their artistic pursuits at prestigious universities and conservatories.

**POTENTIAL CAREERS IN THEATRE PERFORMING ARTS**

<table>
<thead>
<tr>
<th>Role</th>
<th>Role</th>
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</thead>
<tbody>
<tr>
<td>Actor</td>
<td>Director</td>
<td>Voiceover Artist</td>
<td>Dance Therapy</td>
</tr>
<tr>
<td>Children’s Theatre Director</td>
<td>Performer</td>
<td>Historian</td>
<td></td>
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<tr>
<td>Theatre Teacher</td>
<td>Critic</td>
<td>Dramaturg</td>
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<tr>
<td></td>
<td>Playwright</td>
<td>Arts Administrator</td>
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**HIGH SCHOOL PATHWAY COURSES**

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<td>Freshman Seminar (s)</td>
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<td>Semester elective (s)</td>
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<tr>
<td></td>
<td>Intro to CAPA Theatre</td>
</tr>
<tr>
<td>10</td>
<td>CAPA Basic Acting Styles</td>
</tr>
<tr>
<td>11/12</td>
<td>CAPA Advanced Theatre Seminar</td>
</tr>
<tr>
<td></td>
<td>CAPA Theatre Internship</td>
</tr>
</tbody>
</table>

(s) = semester

**RECOMMENDED ELECTIVES**

- Intro to Tech Theatre
- Beginning CAPA Dance
- Acting & Directing
- CAPA Treble Choir
- Speech Communications
- Media Production

**EXAMPLES OF POST-SECONDARY DEGREES**

**Associate’s Degree**
- Associate of Arts Degree, emphasis in theatre performance
  - Rock Valley College

**Bachelor’s Degree**
- Bachelor of Fine Arts, Theatre Studies and Performance
  - Northern Illinois University, Rockford University, Western Illinois University

**Master’s Degree**
- Master of Fine Arts, Acting or Directing
  - Northern Illinois University, Illinois State University, Western Illinois University
Students must participate in eligibility testing in order to attend the Renaissance Gifted Academy. The Renaissance Academy defines itself by the core subjects taken by students. The smaller learning community that is Renaissance consists of teachers in the four core subject areas, English, Mathematics, Science, and History and the Social Sciences. Renaissance students take a four-year sequence of core courses that prepares them to be competitive at any college or university of their choice.

Mirroring the intense, multifaceted, and nonconformist nature of giftedness, the Renaissance Academy sets forth a qualitatively differentiated instructional program in content compacted and extended, in teaching strategies of exposition and inquiry, in assessment balancing logical critique and open-ended creativity. Intellectual development is promoted through planned activities, which include critical thinking skills, as well as skills that develop the capacity for analysis, synthesis, and evaluation. It is designed for academically talented, highly motivated students who intend to pursue the most rigorous, challenging educational programs beyond high school.

Electives may be chosen from Renaissance courses or any other elective offerings at Auburn High School. This is the typical sequence of courses for a Renaissance student; however, there are many options for substitutions.

<table>
<thead>
<tr>
<th>Year</th>
<th>English/ Language Arts</th>
<th>Math (varies due to student MS experiences)</th>
<th>Science</th>
<th>Social Studies</th>
<th>PE/ Health</th>
<th>Electives (to meet graduation requirements)</th>
<th>Pathway Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Renaissance English 9</td>
<td>Renaissance Algebra or Renaissance College Algebra</td>
<td>Renaissance Chemistry or Renaissance Advanced Biology</td>
<td>AP US Government &amp; Politics / AP Comparative or Renaissance World Affairs</td>
<td>PE 9</td>
<td>Global Fine Arts CTE World Languages</td>
<td>Renaissance Freshman Seminar - 1 semester (can be taken online)</td>
</tr>
<tr>
<td>10</td>
<td>Renaissance English 10 AP Literature &amp; Composition</td>
<td>Renaissance Geometry or Renaissance Trigonometry</td>
<td>Renaissance Chemistry or AP Physics 1</td>
<td>AP World History or AP Human Geography</td>
<td>PE 10(Sem)/ Health (Sem)</td>
<td>Global Fine Arts CTE World Languages</td>
<td>BAMIT CAPA EMITT HPS HS Renaissance Pathway Elective</td>
</tr>
<tr>
<td>11</td>
<td>Renaissance English 11 AP Language &amp; Composition</td>
<td>Renaissance Math</td>
<td>AP Physics 1 or AP Biology (if Biology not taken in 9th grade)</td>
<td>Renaissance AP US History</td>
<td>PE Elective</td>
<td>Global Fine Arts CTE World Languages</td>
<td>Students will consult the Academies Guide to choose a personal 3-year course sequence pathway.</td>
</tr>
<tr>
<td>12</td>
<td>Renaissance English 12</td>
<td>Renaissance Math</td>
<td>Renaissance Science Choice</td>
<td>AP Macroeconomics / AP Micro-economics</td>
<td>PE Elective</td>
<td>Global Fine Arts CTE World Languages</td>
<td></td>
</tr>
</tbody>
</table>

Courses are subject to change each year due to graduation requirements, increased offerings, curriculum changes, and student requests. Renaissance Choices:

- Renaissance Creative Writing
- Ren. Adv. Creative Writing
- Ren. Speech Communications
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- Renaissance Senior Seminar
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 2
- AP Physics C
- Organic Chemistry
- Microbiology
- Anatomy & Physiology
- AP European History
- AP Psychology
- AP Art History
- AP Computer Science A
ENGLISH

RENAISSANCE ENGLISH 9 (61001): Year long. Freshman Renaissance English furthers the development of the argumentative writing and rhetorical analysis skills needed for high school and college preparation. This is a writing intensive course. In addition, students will engage in discussion, analysis, and inquiry of speeches, art, music, advertisement, short stories, plays, and novels from a range of regions, styles, and time periods. Students will be introduced to a variety of analytical lenses in both rhetorical and literary fields. Critical thinking is an integral component to the class discussions, essays, and creative presentation of works studied.

*RENAISSANCE AP ENGLISH 10 LITERATURE AND COMPOSITION (61004): Year long. Sophomore Renaissance Advanced Placement English hones student argumentative writing and literary analysis skills in order to assist student success in the spring on the Literature and Composition Examination. Students will engage in discussion, analysis, and inquiry of literature written from 1865 to present from a variety of different genres, styles, and regions. New Historicism will be applied to the reading of all literature with a particular emphasis on advanced close reading skills. Assessments vary among shorter and longer written analytical arguments, reading quizzes, group essays, creative presentations and retired AP Literature and Composition Examinations. Particular attention will be paid to the development of individual student writing style through sentence patterns and combining; literary analysis based on self-directed topics; and both formulaic and organic argumentative writing structures. Written assignments will become increasingly open ended as the year progresses. *quality points/weighted grade

*RENAISSANCE AP ENGLISH 11 LANGUAGE AND COMPOSITION (61007): Year long. Junior Renaissance Advanced Placement English combines enough skill-building and practice to help the student to score successfully in the spring on the Language and Composition Examination with the Academy emphasis upon both the acceleration and enrichment suitable for the gifted student. Suitable to philosophical exploration, the course focuses on structures of thought that lead to abstraction, with an emphasis in reading of non-fiction philosophy and theory. Literature is used throughout the year as a means by which to practice theory-driven analysis and abstraction. Assessments vary among shorter and longer written analytical arguments, group teaching of the class, reading quizzes, and creative presentations. Emphasis falls upon the determinants of good writing, namely conscious control of sentence structure, logical organizational flow, skillful enunciation of thesis position, and assemblage of rational, concrete proof for the argumentative stance. Written assignments strive to be open-ended, allowing each student to locate his own meaningful stance. *quality points/weighted grade

RENAISSANCE ENGLISH 12 (61030): Year long. Senior Renaissance English leads the student through a conceptual recapitulation of his or her evolution through distinct stages of linguistic awareness in his/her past while it concomitantly broadens and deepens skills in close reading of demanding works of prose and poetry and in written responses to such works from personal, creative, and critical perspectives. The literary offerings allow for class choice in addition to certain set pieces. A breadth of historical periods, genres, and individual authors of past and contemporary merit are grounded in enriched supplementation from current related fields, such as fractal geometry, particle physics, anthropology,
psychology, philosophy, history, linguistic studies, etc. Assessments are varied and open-ended, ranging from individual creative response to more structured writing and close reading.

**MATH**

*(all math courses are year long courses)*

**RENAISSANCE ALGEBRA (61300):** This course presents the fundamental concepts of algebra. Topics included are integers, signed numbers, algebraic expression, radicals, first and second degree equations, inequalities, polynomials, factoring, functions, graphing, and system of equations. This course addresses the needs of the gifted students through problem solving strategies used in real life application. Successful completion of this course will prepare students for the challenges of Renaissance Geometry.

**RENAISSANCE GEOMETRY (61306):** Prerequisite: Renaissance Algebra. This course is intended for students interested in math related fields of study. This is a college preparatory course with emphasis on proof. The purpose of this course is to introduce students to the major concepts and tools for analyzing given data and drawing conclusions from the data. Topics include geometric vocabulary, properties and relationships, real-world applications, deductive reasoning, coordinate geometry, and transformations. This course develops problem solving skills as it incorporates geometric concepts such as lines, polygons, Pythagorean Theorem, circles, area, volume, and constructions.

**RENAISSANCE COLLEGE ALGEBRA (61303):** Prerequisite: Algebra. This course develops the concept of functions and its graph, inverse functions, exponential functions, and systems of linear equations as well as the matrix methods to solve those systems. In addition, sequences and series, the binomial theorem, and mathematical induction will be included to increase the problem solving capabilities of the academically gifted student. Graphing calculators will be incorporated into classroom instruction to prepare students for the ACT/SAT exams.

**RENAISSANCE TRIGONOMETRY (61309):** Prerequisites: Renaissance Geometry and Renaissance College Algebra. This is a college preparatory course. First semester Trigonometry emphasizes the 6 trigonometric functions, including their graphs and inverses, the special right triangles, verification of identities, solving trigonometric equations, and lastly, the law of Sines and the Law of Cosines. Second semester has a pre-calculus focus and emphasizes vectors, polar equations and graphs, logarithmic and exponential functions, conics, and the introduction of beginning calculus limits and derivatives.

**AP CALCULUS AB (13436):** Prerequisite: Trigonometry or Pre-Calculus. This is an advanced placement course in calculus. Topics included are parametric and polar equations, analytic geometry of three dimensions, vectors, partial derivatives, multiple integrals, vector calculus, and differential equations. *quality points/weighted grade*

**AP CALCULUS BC (13433):** Prerequisite: Trigonometry or Pre-Calculus, or Teacher Recommendation. This is an advanced placement course in calculus. Topics included are functions, limits, continuity, derivations, applications of the derivative, integrals, exponential and logarithmic functions, inverse functions, applications of the definite integral, techniques of integration, and infinite series. At the end of this course students will be encouraged to take the AP Calculus BC exam. *quality points/weighted grade*

**SCIENCE**

**RENAISSANCE ADVANCED BIOLOGY (61220):** Grade Level 9. Prerequisite: Renaissance Biology 8. Year long. Students will discover and understand many of the intriguing processes of living organisms. Students will take on the role of scientific researcher as they design and perform experiments, collect and interpret data, and draw conclusions based on hypotheses. The knowledge gained and the skills developed will then enable students to critically analyze current scientific research that is discussed in the media. Content includes the characteristics of life, organic chemistry functional groups and protein folding, cell biology with an emphasis on cellular
respiration, photosynthesis and cell signaling, cellular transport and division, plant structure and processes with an emphasis on reproduction and hormones, DNA/RNA/protein synthesis/biotechnology, genetics and reproduction, evolution with an emphasis on molecular evidence, and the relationship of structure to function and physiological connections in the human body.

RENAISSANCE CHEMISTRY (61206): Year long. Renaissance Chemistry examines the building blocks of all matter through following modern atomic theory. This course is inquiry and lab intensive. This course uses the periodic table to help simplify the study of elements by grouping those that have common reactions. Writing formulas for compounds, equations for reactions and stoichiometric relationships (using equations) are key components of this course. Topics of discussion include energy changes for phase changes, chemical reactions, and nuclear reactions; acid-base reactions, equilibrium, and reaction rates are analyzed as well. Deductive and inductive reasoning, problem solving methods, and higher levels of thought are all used extensively in this study.

*AP PHYSICS 1 (14415): Year long. Prerequisites: Chemistry, Algebra and Geometry. Concurrent enrollment in Trigonometry is recommended. This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Course skills include using representations and models to solve scientific problems, applying mathematics to science phenomena, engaging in scientific questioning, planning and implementing data collection and analysis, and connecting and relating knowledge across scales, concepts, representations, and domains. Students will prepare for the AP Physics 1 exam at the conclusion of the course. *quality points/weighted grade

*AP HUMAN GEOGRAPHY (12106): Year long. Grade Level: 10-12. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will prepare for the AP exam. *quality points/weighted grade

*AP UNITED STATES GOVERNMENT AND POLITICS (12212): Grade level: 9. One semester. This college preparatory government course will examine the theoretical and practical purpose of Democracy in society. This course introduces and analyzes various groups, beliefs, and ideas as a method for understanding the United States Constitution. Students will study the major branches of the government, the legislative, executive, and judicial, in preparation for the AP exam. *quality points/weighted grade

*AP COMPARATIVE GOVERNMENT AND POLITICS (12215): Grade Level: 9. One semester. The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, explain differences in processes and policy outcomes, and communicate to students the importance of global political and economic changes. *quality points/weighted grade

SOCIAL SCIENCES AND HISTORY

*AP WORLD HISTORY (12116): Year long. Grade level: 10. This course is offered to Renaissance sophomores who are ready for the rigor and accelerated pace of a college level history course. The curriculum is aligned with College Board standards and is designed to provide students with the analytical skills and factual knowledge to deal critically with world problems. Societies will be compared with an emphasis on the larger processes affecting societies and civilizations, and key time periods will be examined. Students will prepare for the AP World History exam at the conclusion of the course. *quality points/weighted grade
RENAISSANCE AP U.S. HISTORY (61126): Year long.
The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course thus develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for the AP exam. *quality points/weighted grade

AP MACROECONOMICS (12231): One semester. This college preparatory economics course emphasizes a macroeconomics approach that gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. The study includes national incomes and price determinations along with money and banking, public finance, and international economics. Students will prepare for the AP exam. *quality points/weighted grade

AP MICROECONOMICS (12230): One semester. The purpose of a course in microeconomics is to give students a thorough understanding of the principles of economics that applies to the functions of individual decision maker, both consumers and producers. It places primary emphasis on the nature and function of product markets, and includes the study of factor markets and the role of government. Students will prepare for the AP exam. *quality points/weighted grade

RENAISSANCE ACADEMY ELECTIVES

COLLEGE AND CAREER READINESS

RENAISSANCE SENIOR SEMINAR (61403): Grade 12. Year long. This elective course is designed to give Renaissance students university-level experience in independent study, primary and secondary research, seminars on a variety of research-related topics, and the development and presentation of an original document. The Senior Seminar follows the dissertation process.

ENGLISH

RENAISSANCE CREATIVE WRITING (61013): Grade Level 9. One semester. This course is structured as a writing workshop. Students will engage in writing short fiction using classic and modern literary models. This course focuses on structural, stylistic, and creative topics during the production and editing of student-directed fiction. Students will learn to use language as an instrument to express their unique and individual voices. Students will become more critical readers as they learn how to critique others’ work and accept critiques of their own work.

RENAISSANCE ADVANCED CREATIVE WRITING (61023): Grade Level 10-12. Year long. This course is structured as a writing workshop to strengthen students’ writing skills and understanding of various creative genres. Students will engage in writing short and longer fiction pieces, using classic and modern literary models. This course focuses on structural, stylistic, and creative topics during the production and editing of student-directed fiction. Students will learn techniques necessary for longer pieces of writing: planning, maintaining cohesiveness and fluidity, developing dynamic story arcs and characters, using a repetition of symbols, and layering complex plots and themes. Students will improve their use of language as an instrument to express their unique and individual voices. It will also demand of students a great deal of writing and editing, mirroring the rigorous, college-level learning for students in the Renaissance Program.

RENAISSANCE SPEECH COMMUNICATIONS (61014): One semester. This elective course is designed to provide students with the valuable tool of successful oral expression. Not only does the possession of this skill provide the student with an improved means of communication that will be useful in both professional and personal lives, but also in developing the confidence that will enable the student to present himself/herself successfully. Students will develop listening skills as well.
as speaking skills in the area of debate, impromptu, informational, persuasive, demonstration speeches and oral interpretation.

MATH

(all math courses are year long courses)

*AP STATISTICS (13426): This course is designed to provide students with a learning experience equivalent to an introductory college in statistics. This course is intended for students interested in fields of social sciences, health sciences, and business. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The major themes include: explorations for data, sampling and experimentations, applying probability, anticipating patterns and statistical inference. Students will be required to complete a final project in which they incorporate all major concepts of statistics. Students will prepare for the AP exam. *quality points/weighted grade

*AP COMPUTER SCIENCE A (13440): Lab fee required. This is a college level course in computer science. This course introduces the student to JAVA software development. Students will write platform-independent, object oriented code for conventional Internet- and Internet-based applications. Topics covered include graphical user interface (GUI) development, multimedia (images, animation, and audio); graphic strings, exception and security; application portability. A number of programming assignments will be given to enable the student to build real-world JAVA applications. Students will prepare for the AP exam. *quality points/weighted grade

*AP CHEMISTRY (14306): Year long, Lab Fee $5.00. AP Chemistry is a college chemistry lecture and lab class. The presentation follows modern quantum mechanical theory. Students will write formulas for compounds, equations for reactions, and stoichiometric relationships equations. Students will analyze thermodynamic changes including enthalpy changes, entropy changes, and Gibbs free energy changes. The will also study acid/base reactions, equilibrium, reactions kinetics, coordination compounds, and oxidation-reduction reactions. Students will prepare for the AP exam. *quality points/weighted grade

*AP PHYSICS 2 (14418): Year long, Prerequisites: Chemistry, Physics 1, Algebra and Geometry. This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Course skills include using representations and models to solve scientific problems, applying mathematics to science phenomena, engaging in scientific questioning, planning and implementing data collection and analysis, and connecting and relating knowledge across scales, concepts, representations, and domains. Students will prepare for the AP Physics 2 exam at the conclusion of the course. *quality points/weighted grade

SCIENCE

*AP BIOLOGY (14206): Year long, Prerequisite: Biology, Chemistry. Lab Fee $5.00. This is a course for students interested in a college equivalent Biology course. This course follows the Advanced Placement (AP) curriculum. Topics addressed in depth include biological systems and interactions, life processes, cell processes, energy and metabolism, heredity and genetics, ecology, and evolution. Laboratory work and inquiry are significant parts of this course. Students who successfully pass the AP Biology proficiency exam may receive college credit for Biology. *quality points/weighted grade
**AP PHYSICS C (14406):** Prerequisites: Chemistry and Physics or AP Physics 1. Concurrent enrollment in AP Calculus AB is recommended. **Year long.** This is a rigorous, calculus based physics course designed by the College Board. Two major topics, Mechanics and Electricity and Magnetism, are covered. Students will prepare for both AP Physics C exams: Mechanics and Electricity and Magnetism. *quality points/weighted grade

**AP ENVIRONMENTAL SCIENCE (14510):** **Year long.** The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science that will be taught as a year-long high school class. The AP Environmental Science course has been developed to enable students to undertake a more advanced study of topics in environmental science. Students will prepare for the AP exam. *quality points/weighted grade

**ORGANIC CHEMISTRY (14312):** **One semester.** Grade Level: 11-12. Prerequisites: Biology and Chemistry. This course introduces students to various basic techniques and fundamentals in organic chemistry. Topics covered include nomenclature, structure and bonding, and reactions of hydrocarbons with important classes of natural and synthetic organic compounds. Offered in conjunction with Microbiology.

**MICROBIOLOGY (14209):** **One semester.** Grade Level: 11-12. Prerequisites: Biology and Chemistry. This course introduces students to various basic techniques and fundamentals in the field of microbiology. Topics covered include microbial metabolism, proper sterilization processes, bacterial growth, and analysis of populations’ cultures. Students will apply microbiological concepts in laboratory experiments and develop appropriate aseptic techniques needed to work in clinical environments. Offered in conjunction with Organic Chemistry.

**ANATOMY & PHYSIOLOGY (14603):** **Year long.** This course is focused on the structure and function of the human body. This course covers levels of organization; support and movement; integration, coordination, and control; transport; maintenance; and the human life cycle. This is a laboratory course designed especially for students interested in medical fields.

**SOCIAL SCIENCES AND HISTORY**

**RENAISSANCE WORLD AFFAIRS (61103):** Grade level: 9. **One semester.** Students will research current global issues, e.g. Endangered Cultures, Global Climate Change, Integration and Multiculturalism, etc. They will read scholarly journals that reflect on world problems and offer possible solutions. They will take their research and begin to piece together a cross-curricular picture of the problem through gathering research, cultural documents (literature, art, speeches, videos, etc). This entire process emulates real-world problem solving by asking students to determine what information is necessary to fully understand the problem, evaluate potential solutions, and seek total understanding of a dynamic world issue that directly and indirectly impacts their lives. Because of the breadth of the materials they will be analyzing, students will read a wide array of materials, write in multiple modes and with multiple purposes, and think critically about a wide array of topics.

**AP EUROPEAN HISTORY (12310):** Prerequisite: World History. **Year long.** This is a college level introductory elective course into modern European history that examines the major events, trends, ideologies, philosophies, and chronology from 1450 to the present. Students will examine themes in history and interrelated categories (political, diplomatic, intellectual, cultural, social and economic) as they investigate, using primary and secondary sources, the elites with the experiences of ordinary people. Students will prepare for the AP exam. *quality points/weighted grade

**AP PSYCHOLOGY (12406):** **Year long.** Advanced Placement Psychology is designed as a college-level class to introduce students to the systematic and scientific study of the human behavior and mental processes. This course will help develop independent and critical thinking skills and prepare students for the AP exam. The core concepts and theories of psychology are explored from a variety of theoretical approaches including the biological, behavioral, cognitive, humanistic, psychodynamic, and socio-cultural perspectives. Students are exposed to facts, principles, and phenomena associated with each of the major sub-fields within psychology. Students will prepare for the AP exam.
POTENTIAL CAREERS IN HUMANITIES

Teacher  Social worker  Writer  Playground
Actor  Anthropologist  Psychologist  Reporter
News analyst  Critic  Clergy  Physician
Public service  Editor  Biophysicist  Business administration
Politics  Lawyer  University professor  Architect

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9  Renaissance Freshman Seminar
   Renaissance World Affairs
   AP Comparative Government
   AP US Government

10  Renaissance AP Literature
    AP World History
    Psychology or AP Psychology

11  AP US History
    AP Art History
    AP European History
    AP Human Geography
    Psychology or AP Psychology

12  AP Macroeconomics and AP Microeconomics
    AP Art History
    AP European History
    AP Human Geography
    Psychology or AP Psychology

RECOMMENDED ELECTIVES

Renaissance Speech Communications

EXAMPLES OF POST-SECONDARY MAJORS AND DEGREES

Associate’s Degree / Bachelor’s Degree / Master’s Degree / Ph.D. / M.D.

Classic  Communications & Rhetoric  Business  Journalism
English  Philosophy  Education  Religion
Education  History  Theatre Arts  Music
Psychology  Performing Arts  Biology  Anthropology
Law  Literature  Humanities
Renaissance  ADVANCED SCIENCES PATHWAY

POTENTIAL CAREERS IN ADVANCED SCIENCES

Teacher  Molecular biologist  Astrophysicist  Software developer
Ecologist  Biomedical scientist  Neurobiologist  Chemist
Physicist  University professor  Geneticist  Pharmacist
Web developer  Engineer  Oncologist  Psychiatrist
Biologist  Physician  Nanotechnology  Immunologist

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9
Renaissance Freshman Seminar
Renaissance Advanced Biology
Renaissance Chemistry

10
AP Physics 1
AP Environmental Science
Renaissance Chemistry

11
AP Chemistry
AP Biology
AP Physics C
AP Statistics

11
AP Chemistry
AP Biology
AP Physics C
AP Statistics

RECOMMENDED ELECTIVES
Renaissance World Affairs
Renaissance Speech Communications
AP Computer Science
Anatomy and Physiology

EXAMPLES OF POST-SECONDARY MAJORS AND DEGREES

Associate's Degree / Bachelor's Degree / Master's Degree / Ph.D. / M.D.

Mathematics  Computer Science  Education  Environmental Studies
Medicine  Biology  Engineering  Law
Chemistry  Physics  Zoology  Psychology
AP INTERNATIONAL DIPLOMACY PATHWAY

POTENTIAL CAREERS IN INTERNATIONAL DIPLOMACY

- Teacher
- International attorney
- Foreign service
- International business
- University professor

Art Historian
Museum curator
Software developer
Global finance
Interpreter

Architect
Intelligence officer
International health care
Archaeologist
Foreign diplomat

Global sales/marketing
Anthropologist
Missionary
Librarian
Economic development

HIGH SCHOOL PATHWAY COURSES

Grade  Essential Pathway Courses (select one each year)
9       Renaissance Freshman Seminar
        Renaissance World Affairs
        Spanish II
        French II

10      Spanish III
        French III
        AP World History
        AP Human Geography
        AP Language and Composition

11      Spanish IV
        French IV
        AP European History
        AP Language and Composition

12      AP Spanish
        AP French
        AP European History
        AP Spanish Literature

RECOMMENDED ELECTIVES

- Renaissance Speech Communications
- Business and Personal Law
- Internship
- AP Human Geography
- AP Art History

EXAMPLES OF POST-SECONDARY MAJORS AND DEGREES

- Associate’s Degree / Bachelor’s Degree / Master’s Degree / Ph.D. / M.D.
- French
- Spanish
- Religion
- Romance Languages
- Linguistics
- Philosophy
- Latin
- Social Work
- World Languages
- Business
- Medicine
- Psychology
- Law
- Literature
- History
Renaissance RESEARCH AND HIGHER EDUCATION PATHWAY

POTENTIAL CAREERS IN RESEARCH AND HIGHER EDUCATION

Teacher  Physician  Author  Architect
Physicist  Software developer  Judge  Archaeologist
Web developer  Chemist  Attorney  Social Worker
University professor  Pharmacist  Entrepreneur  Astrophysicist
Engineer  Psychiatrist  Anthropologist  Librarian

HIGH SCHOOL PATHWAY COURSES

Grade | Essential Pathway Courses (select one each year)
---|---
9 | Renaissance Freshman Seminar
  | Renaissance World Affairs
  | AP Comparative Government
10 | Renaissance AP Literature and Composition
  | AP World History
  | AP Human Geography
  | AP Chemistry
11 | Renaissance AP Language and Composition
  | AP Physics 1
  | Renaissance AP US History
  | AP Interdisciplinary Investigations and Critical Reasoning Seminar
12 | AP Macroeconomics/AP Microeconomics
  | Renaissance Senior Seminar
  | AP Cambridge Capstone Research Project

RECOMMENDED ELECTIVES

<table>
<thead>
<tr>
<th>Subject</th>
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<tbody>
<tr>
<td>Anatomy and Physiology</td>
<td>Microbiology/Organic Chemistry</td>
<td>Foreign Languages</td>
</tr>
<tr>
<td>AP Computer Programming</td>
<td>AP Environmental Science</td>
<td>AP European History</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>AP Psychology</td>
<td>AP Statistics</td>
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<tr>
<td>AP Physics 2</td>
<td>AP Biology</td>
<td>AP Physics C</td>
</tr>
<tr>
<td>AP Chemistry</td>
<td>AP Calculus</td>
<td>AP Calculus BC</td>
</tr>
<tr>
<td>AP Art History</td>
<td>AP Studio Art Drawing</td>
<td>AP Studio Art 2-D Design</td>
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</tbody>
</table>

EXAMPLES OF POST-SECONDARY MAJORS AND DEGREES

Associate’s Degree / Bachelor’s Degree / Master’s Degree / Ph.D. / M.D.

Mathematics  Computer Science  Education  Environmental Studies
Medicine  History  Law  Architecture
Chemistry  Philosophy  Business  Psychology
English