BUSINESS MANAGEMENT PATHWAY: Technical Course Opportunities

Grades 9, 10, 11, or 12
- **Business in the 406** (Semester 1 or 2, Skyview & Senior only)
- **Computer Applications** (Semester 1 or 2, HH)
- **Personal Finance** (Semester 1 or 2, HH) *Pre-requisite of Computer Applications is recommended, but not required
- **Advanced Computer Applications** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite is Computer Applications

Grades 10, 11, or 12
- **Accounting 1** (Semester 1 or 2, HH)
- **Accounting 2** *Pre-requisite is Accounting 1 (Semester 1 or 2, HH)

Grades 11 or 12
- **Managerial Science** *No pre-requisite; Teacher approval required (HH)
- **Business Law** (Semester 1 or 2, West only) or **College Introduction to Business** (Semester 1 or 2, West only)

Grade 12
- Consider additional business electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

<table>
<thead>
<tr>
<th>Accountant</th>
<th>Purchasing Manager</th>
<th>Corporate Trainer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Secretary</td>
<td>Sales Representative</td>
<td>Business Operations Analyst</td>
</tr>
<tr>
<td>Office Manager</td>
<td>Entrepreneur</td>
<td>Small Business Owner</td>
</tr>
</tbody>
</table>

01/2021 Course offering may change, so work with your counselor closely.
CONSTRUCTION PATHWAY: Technical Course Opportunities

Grades 9 or 10
- Building Tech 1 (Semester 1, HH)
- Building Tech 2 (Semester 2, HH) *Pre-requisite is Building Tech 1
- Technical Geometry/Geometry in Construction (Semesters 1 & 2, CC, 2 Hour Block) *Pre-requisite is Algebra I

Grades 9, 10, 11, or 12
- Construction/Trades 1 & 2 (Semesters 1 & 2, HH) *Pre-requisite is Building Tech 1; Freshmen may take Construction Trades 2 second semester if they take Building Tech 1 first semester.
- Construction Fundamentals 1 & 2 (Semesters 1 & 2, CC)
- Carpentry 1 & 2 (Semesters 1 & 2, CC)
- Construction Techniques 1 & 2 (Semesters 1 & 2, CC)

Grades 11 or 12
- Building Trades 1 & 2 (Semesters 1 & 2, CC)
- House Building 1 & 2 (Semesters 1 & 2, CC)
- Construction Techniques 3 (Semesters 1 & 2, CC) *Pre-requisite is successful completion of one semester of First Year Career Center House courses

Grade 12
- Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialties:
- Construction
- HVAC
- Electrical
- Concrete/Masonry
- Plumbing
- Design & Drafting

01/2021 Course offerings may change, so work with your counselor closely.
FINANCE PATHWAY: Technical Course Opportunities

Grades 9, 10, 11, or 12
- **Business in the 406** (Semester 1 or 2, Skyview & Senior only)
- **Computer Applications** (Semester 1 or 2, HH)
- **Personal Finance** (Semester 1 or 2, HH) *Pre-requisite of Computer Applications is recommended, but not required
- **College Advanced Computer Applications** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite is Computer Applications

Grades 10, 11, or 12
- **Accounting 1** (Semester 1 or 2, HH)
- **Accounting 2** (Semester 1 or 2, HH) *Pre-requisite is Accounting 1

Grades 11 or 12
- **Accounting 3** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite is Accounting 2 OR
  - **College Accounting** (Full Year Course at West only) *Pre-requisite is successful completion of Accounting 1 & 2
- **Accounting 4** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite is Accounting 3 OR
  - **College Intro to Business** (Semester 1 or 2 at West only)

Grade 12
- Consider additional business electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

<table>
<thead>
<tr>
<th>Loan Clerk</th>
<th>Accountant</th>
<th>Financial Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payroll Clerk</td>
<td>Financial Advisor</td>
<td>Chief Financial Officer</td>
</tr>
<tr>
<td>Financial Analyst</td>
<td>Credit Analyst</td>
<td>Actuary</td>
</tr>
</tbody>
</table>

01/01/2021 Course offering may change, so work with your counselor closely.
HEALTH SCIENCES PATHWAY: Technical Course Opportunities

- **Principles of Biomedical Sciences** (Year long class, may enroll in fall only, CC)

- **Human Body Systems** (Year long class, may enroll in fall only, CC) *Pre-requisites are: "C" or better in Principles of Biomedical Systems, concurrently enrolled in biology or successful completion of biology with a "C" or better, successful completion of grade-level appropriate math class with "C" or better, and successful completion of previous years of English with a "C" or better.

- **Medical Interventions** (Year long class, may enroll in fall only, CC) **Pre-requisites are: Grade of "C" or better in Principles of Biomedical Systems and Human Body Systems, or instructor/administrator approval, and successful completion of biology

- **Intro to Operating Room** (Year long class, may enroll in fall only, CC)**Pre-requisites are: Successful completion of prior science classes with a "C" or better

- **College Medical Terminology** (Semester 1 or 2, CC) **"C" or better in all science and language classes is recommended. Certified Nurse Assistant** (Semester 1 or 2, CC) *Pre-requisite is successful completion of Biology; must have your own transportation. **These courses also require successful completion of previous years of English and appropriate grade level math.

- **Anatomy & Physiology Applied Medicine-Med. Careers** (Semester 1 or 2, CC) *Pre-requisite is completion of 3 science credits; Chemistry is recommended. Must have your own transportation.

- **Consider additional electives or a work based learning credit opportunity.** Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

- Medical Assistant
- Medical Technologist
- Pharmacist
- Dental Hygienist
- Radiologic Technologist
- Physician Assistant
- Registered Nurse
- Physical Therapist
- Hospital CEO

01/2021 Course offering may change, so work with your counselor closely.
HOSPITALITY & TOURISM PATHWAY: Technical Course Opportunities

Grades 9, 10, 11, or 12

- **Culinary Arts 1** (Semester 1 or 2, HH)
- **Food and Nutrition** (Semester 1 or 2, HH)
- **Computer Applications** (Semester 1 or 2, HH)
- **Personal Finance** (Semester 1 or 2, HH) *Pre-requisite of Computer Applications is recommended, but not required
- **College Advanced Computer Applications** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite is Computer Applications

Grades 10, 11, or 12

- **Culinary Arts 2** (Full Year course, HH) *Pre-requisite of Food and Nutrition and Culinary Arts 1
- **Marketing** (Semester 1 or 2, HH) *Pre-requisite of Advanced Computer Application, Desktop Publishing, or Accounting 1 is strongly recommended

Grades 11 or 12

- **Cafe Protege** (Full year course, TWO HOUR BLOCK, CC) *Priority is given to students with prior culinary coursework
- **College Intro to Business** (Semester 1 or 2 at West or Senior only)
- **Managerial Science** (Semster 1 or 2, HH) *Teacher approval required

Grade 12

- Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

<table>
<thead>
<tr>
<th>Food Preparation</th>
<th>Chef/Head Cook</th>
<th>Pastry Chef</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server</td>
<td>Meeting/Convention Manger</td>
<td>Entrepreneur</td>
</tr>
<tr>
<td>Restaurant Manager</td>
<td>Lodging Manager</td>
<td>Caterer</td>
</tr>
</tbody>
</table>

HH=Home High School
CC=Career Center

01/2021 Course offering may change, so work with your counselor closely.
HUMAN SERVICES PATHWAY: Technical Course Opportunities

Grades 9, 10, 11, or 12
• Culinary Arts 1 (Semester 1 or 2, HH)
• Food & Nutrition (Semester 1 or 2, HH)
• Computer Applications (Semester 1 or 2, HH)
• Personal Finance (Semester 1 or 2, HH) *Pre-requisite of Computer Applications is recommended, but not required

Grades 10, 11, or 12
• Individual & Family Wellness (Semester 1 or 2, HH)
• Child Development (Semester 1 or 2, HH)

Grades 11 or 12
• Fundamentals, Physical Development, Intellectual Development (Semester 1, CC, TWO HOUR BLOCK)
• Children & Careers, Social Development, Emotional Development (Semester 2, CC, THREE HOUR BLOCK)

Grade 12
• Sociology (Semester 1 or 2, HH) or College Sociology (Semester 1 or 2, Skyview only)
• Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!
- Childcare Worker
- Mental Health Counselor
- Social Services Assistant
- Substance Abuse Counselor
- Social Worker
- Social Service Manager

01/2021 Course offering may change, so work with your counselor closely.
INFORMATION TECHNOLOGY PATHWAY: Technical Course Opportunities

Grades 9, 10, 11, or 12

• Computer Programming 1 (Semester 1 or 2, HH)
• Computer Programming 2 (Semester 1 or 2, HH) *Pre-requisite is successful completion of Computer Programming 1

Grades 10, 11, or 12

• Exploring Visual Media (Semester 1 or 2, CC)
• Computer Programming 3 (Semester 2, HH) *Pre-requisite is successful completion of Computer Programming 2
• Computer Programming 4 (Semester 2, HH) *Pre-requisite is successful completion of Computer Programming 3

Grades 11 or 12

• Web Page 1 (Semester 1 or 2, CC)
• Web Page 2 (Semester 1 or 2, CC) *Pre-requisite of C or better in Web Page 1 or Administrative Approval
• Animation Lab 1 (Semester 1 or 2, CC) *Pre-requisite: Art 1 and basic drawing skills recommended
• Animation Lab 2 (Semester 1 or 2, CC) *Pre-requisite of "C" or better in Animation Lab 2
• College Introduction to Web Design and Programming (Semester 1 or 2, CC)

Grade 12

• Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

Helpdesk Technician  Machinist  Computer Systems Analyst
Network Technician  Web Designer  Graphic Designer
Software Designer  Game Designer  Chief Information Officer

HH=Home High School
CC=Career Center

01/2021  Course offering may change, so work with your counselor closely.
MARKETING PATHWAY: Technical Course Opportunities

**Grades 9, 10, 11, or 12**
- **Business in the 406** (Semester 1 or 2, Skyview & Senior only)
- **Computer Applications** (Semester 1 or 2, HH)
- **Personal Finance** (Semester 1 or 2, HH) *Pre-requisite of Computer Applications is recommended, but not required
- **Advanced Computer Applications** (Semester 1 or 2, Senior & Skyview only) *Pre-requisite of Computer Applications

**Grades 10, 11, or 12**
- **Accounting 1** (Semester 1 or 2, HH)
- **Marketing** (Semester 1 or 2, HH) *Pre-requisite of Computer Applications; Advanced Computer Applications, Desktop Publishing, or Accounting 1 is strongly recommended.
- **Exploring Visual Media** (Semester 1 or 2, CC)

**Grades 11 or 12**
- **Web Page 1** (Semester 1 or 2, CC)
- **Web Page 2** (Semester 1 or 2, CC) *Pre-requisite of C or better in Web Page 1 or Administrative Approval
- **Design Advertising, Design Layout** (Semester 1 or 2, TWO HOUR BLOCK, CC) *Pre-requisite of 2 art classes preferred
- **College Introduction to Web Design and Programming** (Semester 1 or 2, CC)

**Grade 12**
- Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

<table>
<thead>
<tr>
<th>Advertising Sales</th>
<th>Web Designer</th>
<th>Marketing Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Manager</td>
<td>Social Media Coordinator</td>
<td>Director of Public Relations</td>
</tr>
<tr>
<td>Graphic Designer</td>
<td>Entrepreneur</td>
<td>3D Illustrator</td>
</tr>
</tbody>
</table>

*HH=Home High School
CC=Career Center

01/2021 Course offering may change, so work with your counselor closely.
STEM ENGINEERING FOUR YEAR CAREER CENTER: Technical Course Opportunities

**Grades 9, 10, 11, or 12**

- **PLTW Introduction to Engineering Design** (Full year course, CC) *Pre-requisite is Enrolled in Geometry or Honors Geometry or have completed Geometry with a "C" or better. Must be on a four year math track.

**Grades 10, 11, or 12**

- **PLTW Principles of Engineering** (Full year course, CC)
- **PLTW Aerospace Engineering** (Full year course, CC)
- **PLTW Digital Electronics** (Full year course, CC)
- **PLTW Civil Engineering & Architecture** (Full year course, CC)
  *Pre-requisite for all of these courses is "C" or better in Intro to Design and a plan of study with four years of math.

**Grade 12**

- Consider additional electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

- **Engineering Tech**
  - Line Worker
  - Environmental Engineer
- **Electrician**
  - Civil Engineer
  - Mechanical Engineer
- **Environmental Tech**
  - Petroleum Engineer
  - Computer Engineer

01/2021  Course offerings may change, so work with your counselor closely.
STEM ENGINEERING STEP UP TO CAREER CENTER: Technical Course Opportunities

Grades 9, 10, 11, or 12

- **Building Tech 1** (Semester 1, HH)
- **Building Tech 2** (Semester 2, HH)
- **Technology Lab** (Semester 1 or 2, HH) *Recommended pre-requisite is Algebra I.
- **Drafting 1** (Semester 1 or 2, HH)
- **Drafting 2** (Semester 1 or 2, HH) *Pre-requisite is successful completion of Drafting 1.
- **PLTW Introduction to Engineering Design** (Full year course, CC) *Pre-requisite is to be enrolled in Geometry or Honors Geometry or have completed Geometry with a "C" or better. Must be on a four year math track.

Grades 10, 11, or 12

- **Engineering Drafting** Pre-requisite is successful completion of Drafting 1.
- **PLTW Principles of Engineering** (Full year course, CC)
- **PLTW Aerospace Engineering** (Full year course, CC)
- **PLTW Digital Electronics** (Full year course, CC)
- **PLTW Civil Engineering & Architecture** (Full year course, CC) *Pre-requisite for all PLTW courses is "C" or better in Intro to Design and a plan of study with four years of math.

Grade 12

- Consider additional business electives or a work based learning credit opportunity. Limited spots available. Approval process required. See your school counselor or career coach for details.

Follow this pathway for careers in these specialty areas and more!

<table>
<thead>
<tr>
<th>Engineering Tech</th>
<th>Line Worker</th>
<th>Environmental Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrician</td>
<td>Civil Engineer</td>
<td>Mechanical Engineer</td>
</tr>
<tr>
<td>Environmental Tech</td>
<td>Petroleum Engineer</td>
<td>Computer Engineer</td>
</tr>
</tbody>
</table>

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