### 6. MATHEMATICS CONTINUED

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<thead>
<tr>
<th>Catalog Number</th>
<th>Course Title</th>
<th>Crs.</th>
<th>Notes</th>
<th>Sem. Taken</th>
<th>Grade</th>
<th>Hrs. Earned</th>
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<tbody>
<tr>
<td>MAT 216</td>
<td>Calculus II</td>
<td>4</td>
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<tr>
<td>MAT 219</td>
<td>Calculus III</td>
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<tr>
<td>MAT 227</td>
<td>Differential Equations</td>
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### 5. COMPUTER SKILLS

Students must demonstrate proficiency in appropriate computer software packages and skill sets. To demonstrate proficiency, students must select one of the following options:
- Complete the Computer Skills Proficiency Exam with a passing score.
- Complete CSC:110 Introduction to Computers with a passing grade.

### 7. ELECTIVES

- A maximum of 4 semester hours of Human Development courses may be counted toward an A.S. degree.
- A maximum of 11 semester hours in career technical courses may be used as elective credits toward an A.S. degree.
- Coursework for an A.S. degree must be numbered at the 100 level or higher (for example, ENG:105).

**Note:** Enough electives to total 62 credits.

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**Semester Hours Needed to Graduate:** 62

### Developmental Courses

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**Note:** Consult the EICCD online college catalog or your academic advisor for course prerequisites.
1. COMMUNICATIONS

Select one course in English:
- ENG:105 Composition I
- ENG:107 Composition II: Technical Writing

Select one course in English:
- ENG:106 Composition II
- ENG:108 Composition II: Technical Writing

Select one course in Speech:
- SPC:112 Public Speaking
- SPC:170 Professional Communication

2. ARTS AND HUMANITIES

Literature:
- LIT:101 Introduction to Literature
- LIT:111 American Literature Since the Mid-1800’s
- LIT:183 Masterpieces: Neoclassical to Modern
- LIT:185 Contemporary Literature

Humanities:
- DRA:110 Introduction to Film
- HUM:110 Changes and Choices
- HUM:183 Living with Space, Time & Tech.
- PHI:101 Introduction to Philosophy
- PHI:105 Introduction to Ethics
- PHI:110 Introduction to Logic
- REL:101 Survey of World Religions

Fine Arts:
- ART:101 Art Appreciation
- DRA:101 Introduction to Theatre
- DRA:105 History of the Theatre
- DRA:110 Intro to Film
- HUM:135 Humanities of the Early World
- HUM:136 Humanities of the Renaissance
- HUM:137 Humanities of the Modern World
- MUS:100 Music Appreciation

3. CULTURAL/HISTORICAL PERSPECTIVES

ANT:105 Cultural Anthropology
- CLS:120 Non-Western Culture & Values
- CLS:150 Latin Am. History and Culture
- FLY: Foreign Language - 1 Semester
- GEO:121 World Regional Geography
- GLS:100 Contemporary World Issues
- GLS:150 East Asia: People, Soc, & Culture
- HIS:112 West. Civ.: Ancient to Early Modern
- HIS:113 West. Civ.: Early Modern to Present
- HIS:118 West. Civ. II: Early Modern
- HIS:151 U.S. History to 1877
- HIS:152 U.S. History Since 1877
- HIS:211 Modern Asian History
- HIS:231 Contemporary World Affairs

Note: Consult the EICCD online college catalog or your academic advisor for course prerequisites.

4. SOCIAL SCIENCES - Select one course:
- ECON:120 Principles of Macroeconomics
- ECON:130 Principles of Microeconomics
- POL:111 American National Government
- PSY:111 Introduction to Psychology
- SOC:110 Introduction to Sociology

5. NATURAL SCIENCES (NOTE THAT ENGINEERING COURSES WITH PREFIX OF EGR MAY ALSO BE APPLIED TO FULLFILL THE NATURAL SCIENCES REQUIREMENT)

Select at least two Natural Sciences courses:
- BIO:105 Introductory Biology
- BIO:114 General Biology IA
- BIO:115 General Biology IIA
- BIO:125 Plant Biology
- BIO:157 Human Biology
- BIO:168 Human Anatomy and Phys. w/Lab I
- BIO:173 Human Anatomy and Phys. w/Lab II
- BIO:186 Microbiology
- BIO:255 Neuroanatomy
- CHM:122 Intro. to General Chemistry
- CHM:132 Intro. to Organic and Biochemistry
- CHM:165/166 General Chemistry I w/ Lab
- CHM:175 General Chemistry II w/Lab
- CHM:179 Principles of General Chemistry
- CHM:261 Organic Chemistry I
- CHM:271 Organic Chemistry II
- ENV:111 Environmental Science
- ENV:139 Energy and the Environment
- ENV:145 Conservation Biology
- HS:120 Exploring Physical Science
- HS:152 Astronomy
- PHS:166 Meteorology: Weather & Climate
- PHS:172 Physical Geology
- PHY:110 Survey of Physics I
- PHY:111 Survey of Physics II
- PHY:162 College Physics I
- PHY:172 College Physics II
- PHY:212 Classical Physics I
- PHY:222 Classical Physics II

6. MATHEMATICS (NOTE THAT ENGINEERING COURSES WITH PREFIX OF EGR MAY ALSO BE APPLIED TO FULLFILL THE MATHEMATICS REQUIREMENT)

MAT:128 Precalculus
- MAT:140 Finite Mathematics
- MAT:156 Statistics
- MAT:165 Business Calculus
- MAT:210 Calculus I