# MY DEGREE MAP

## COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN

**MATHEMATICS EDUCATION MAJOR**- PROGRAM YEAR 2020-2021

*THIS DOCUMENT IS PENDING STATE DEPARTMENT OF EDUCATION REVIEW*

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
<th>Term 4</th>
<th>Term 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st Year</strong></td>
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<tr>
<td>AREA II FINE ARTS COURSE</td>
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<td>ENG 1102/04</td>
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<td>AREA II LIT COURSE</td>
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<td>ENG 1101/03</td>
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<td>MTH 1125</td>
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<td>MTH 1126</td>
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<td>MTH 3331</td>
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<td>AREA IV SS COURSE</td>
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<td>AREA II HUM/FA COURSE</td>
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<td>AREA III SCI/LAB COURSE</td>
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<td>STAT 2210</td>
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<td>MTH 4441</td>
<td>3</td>
<td>SPE 3340</td>
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<tr>
<td>EDU 3310</td>
<td>3</td>
<td>EDU 3305</td>
<td>3</td>
<td>MTH 4424</td>
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<tr>
<td>STAT 3350</td>
<td>3</td>
<td></td>
<td>3</td>
<td>APPROVED MTH/STAT ELEC</td>
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<tr>
<td>Admission to TEP</td>
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<td><strong>4th Year</strong></td>
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<td>APPROVED MTH/STAT ELEC</td>
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<td>EDU 4471</td>
<td>3</td>
<td>SED 4454</td>
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<td>MTH 4481 (FA SEM)</td>
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<td>MTH 4481 (FA SEM)</td>
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<td>MTH 4474</td>
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<td>PRAXIS II: CONTENT AREA EXAM</td>
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</tbody>
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**TOTAL PROGRAM 123**
COLLEGE OF EDUCATION APPROVED ACADEMIC PLAN
MATHEMATICS EDUCATION MAJOR - PROGRAM YEAR 2020-2021

COMPLETE ALL REQUIREMENTS  (49 HOURS)

AREA I

TAKE THE FOLLOWING COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1101</td>
<td>COMP AND MODERN ENGLISH I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 1102</td>
<td>COMP AND MODERN ENGLISH II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MINIMUM GRADE OF &quot;C&quot; REQ.</td>
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</table>

AREA II

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE  3 HOURS
TAKE ART 1133, MUS 1131, OR THE 1130  3 HOURS
TAKE TWO ADDITIONAL COURSES FROM THE HUMANITIES/FINE ARTS FROM THE FOLLOWING:  6 HOURS
COM 2241, ENG 2205, ENG 2206, ENG 2211, ENG 2212, ENG 2244, ENG 2245, PHI 2203, PHI 2204, REL 2280, SPN 1141, SPN 1142, OR ADVISOR APPROVED COURSES (REQUIRING SUBSTITUTION FORMS).

AREA III

MTH 1125  CALCULUS I  4 HOURS

TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES (CLASS AND CORRESPONDING LAB) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO 1100/L100, BIO 1101/L101, BIO 1120/L120, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 1110/L110, SCI 2233/L233, SCI 2234/L234, SCI 2240/L240.

AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY.  3 HOURS
TAKE THREE 1000-2000 LEVEL COURSE FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY, SOCIOLOGY, LDR 1100, OR ADVISOR APPROVED COURSES (REQUIRING SUBSTITUTION FORMS)  9 HOURS

AREA V

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TROY 1101</td>
<td>THE UNIVERSITY EXPERIENCE</td>
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</tr>
<tr>
<td>STAT 2210</td>
<td>INTRODUCTORY STATISTICS</td>
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</tr>
<tr>
<td>MTH 2220</td>
<td>COMPUTER PROGRAMMING FOR MATHEMATICS</td>
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</tbody>
</table>
# Mathematics Courses (38 Hours)

- **Minimum 2.75 overall GPA required**
- **Take the following courses:**
  - **(Minimum grade of 'C' required)**
  - **MTH 1126**  
    - Calculus II  
    - 4 hours
  - **MTH 2227**  
    - Calculus III  
    - 4 hours
  - **MTH 3311**  
    - Differential Equations  
    - 3 hours
  - **MTH 3318**  
    - Intro to Advanced Mathematics  
    - 3 hours
  - **MTH 3331**  
    - Linear Algebra  
    - 3 hours
  - **MTH 3325**  
    - College Geometry  
    - 3 hours
  - **MTH 4424**  
    - Real Analysis I  
    - 3 hours
  - **MTH 4441**  
    - Abstract Algebra I  
    - 3 hours
  - **STAT 3350**  
    - Statistical Methods and Computations  
    - 3 hours
  - **STAT 4451**  
    - Mathematical Statistics I  
    - 3 hours

- **Select 6 additional hours of upper-level advisor-approved mathematics or statistics courses:**

  - **(Minimum grade of 'C' required)**

# Professional Studies (36 Hours)

- **(Minimum grade of 'C' required)**
  - **EDU 3310**  
    - Introduction to Education  
    - 3 hours
  - **EDU 4400**  
    - Classroom Management  
    - 3 hours
  - **EDU 4471**  
    - Curriculum & Instructional Delivery  
    - 3 hours
  - **EDU 3305**  
    - Teaching with Technology  
    - 3 hours
  - **EDU 3303**  
    - Educational Psychology & Assessment  
    - 3 hours
  - **SPE 3540**  
    - Diverse Learners  
    - 3 hours
  - **RED 4401**  
    - Reading in Content Areas  
    - 3 hours
  - **MTH 4481**  
    - Methods and Materials  
    - 3 hours
  - **SED 4454**  
    - Internship Seminar for Sec. Ed. (Must be taken with Internship)  
    - 3 hours
  - **MTH 4474**  
    - Internship in Mathematics Education  
    - 9 hours

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**My Degree Map serves as a guide to assist you with the proper sequence and selection of courses. It does not replace your Program Evaluation (available through Trojan Web Express), which depicts the official document used to clear students for graduation. My Degree map includes the required course work and suggested sequence of courses for a particular degree program. Every reasonable attempt has been made to ensure accuracy of content. Please keep in mind that some courses, such as developmental or pre-requisite courses, are not reflected in My Degree Map. Completion of degree requirements is based on the specific catalog year under which you were admitted to Troy. Please consult the college catalog, your academic advisor, your specific school, department, or your Program Evaluation for any additional requirements.**