

Major Academic Plan (MAP)

Associate in Arts and Science

BAE Mathematics/Middle Level Mathematics Endorsement (4th – 9th Grades)

Department of Mathematics

College of Science, Technology, Engineering, and Mathematics (CSTEM)

Why become a middle school math teacher?

Middle school students turn their focus from fundamentals to more sophisticated mathematical concepts and models that are used to explain and solve problems in our world.

A major in middle school mathematics will increase your understanding of how mathematics builds from the fundamental to the abstract, of how students grow in their capacity to reason mathematically and to solve problems, and of means to foster this growth.

Teaching mathematics to middle school students allows you to make a difference in the lives of young people by empowering them to understand the world mathematically, use quantitative reasoning to make decisions in their lives, and expand their opportunities to choose interesting careers.

CSTEM Coordinator:

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Sample Careers

Middle School Math
Teacher
Teacher Leader
Math Specialist or Coach
Curriculum Development

Student Learning Outcomes

Students will:

1. Demonstrate and apply in the classroom a profound understanding of fundamental mathematics within the K–9 curriculum, of how these topics progress within the K–9 range, of how these topics extend and relate to the mathematics in the secondary curriculum, and of the fundamental concepts in the curriculum in the secondary curriculum.
2. Demonstrate and apply in the classroom a deep understanding of how students learn mathematics and of the pedagogical knowledge specific to mathematics teaching and learning.
3. Demonstrate a productive disposition as a student and teacher of mathematics.



EASTERN WASHINGTON UNIVERSITY

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AA-DTA Degree Requirements with Suggested Classes that Fulfill EWU Prerequisites/Requirements

| PIERCE COLLEGE COURSES | E.W.U. COURSE EQUIVALENT |
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| COMMUNICATION SKILLS (10 credits) | |
| ENGL& 101 English Composition I (5) | ENGL 101 College Composition: Exposition and Argument (5) |
| ENGL& 102 English Composition II (5) | ENGL 201 College Composition: Analysis, Research, Document (5) |
| QUANTITATIVE SKILLS (5 credits) | |
| MATH 114 Applied Algebra, Geometry and Trigonometry (5) | MATH 114 Algebra Concepts (5) |
| HUMANITIES (15 credits) | |
| Consult your advisor for course options. | |
| HUMANITIES PERFORMANCE/SKILLS (5 credits Maximum) | |
| Consult your advisor for course options. | |
| SOCIAL SCIENCES (15 credits) | |
| Consult your advisor for course options. | |
| NATURAL SCIENCES (15 credits) | |
| Consult your advisor for course options. | |
| GENERAL TRANSFERABLE ELECTIVES (15 credits) | |
| Consult your advisor for course options. | |
| GENERAL ELECTIVES (15 credits) | |
| EDUC& 202 Into to Education (5) | EDUC 201 Into to Education (3) |

The courses listed below transfer to satisfy EWU Graduation Requirements and can be taken before or during the major program

Cultural Diversity (4 quarter credit minimum)

- SOC 220 Gender Roles in Society (5)
- ANTH& 210 Indians of North America (5)
- ANTH& 106 American Mosaic (5)
- ANTH& 216 Northwest Coast Indians (5)
- ANTH 240 Women in Cross-Cultural Perspective (5)
- CMST 105 Intercultural Communication (5)
- HUM 105 Black Thought and Culture (5)
- HUM 106 Ethnic Thought and Culture (5)

International Studies (4 quarter credit minimum)

- BUS 245 Global Business (5)
- GEOG 160 World Regional Geography – the Non-Western World (5)
- HIST 260 History of Russia and the USSR (5)
- HIST 265 History of Latin America Since 1810 (5)
- HIST 270 Introduction to the Far East (5)
- HIST 280 Introduction to Chinese Civilization (5)
- HIST 287History of Japan Since Antiquity (5)
- HUM 240 World Religions (5)
- INTS 107 Introduction to International Studies (5)
- POLS& 203 International Relations (5)
- SOC 212 Death, Dying and Bereavement (5)
- SOC& 201 Social Problems (5)

