

Bachelor of Science: Mathematics Teaching Code 180-007 based on the 2009-2010 Catalogue

This major is restricted to students in the College of Education and Human Sciences –
Curriculum and instruction: Option B:EA-A (Secondary Education)

This leads to licensure to teach Mathematics in Early Adolescence through Adolescence classrooms.

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| <p>Math Core (26 credits): ___ (4) 114 - Calc I ___ (4) 215 - Calc II ___ (4) 216 - Calc III ___ (3) 324 - Lin Algebra/Matrix ___ (3) 330 - Modern Geometry ___ (4) 345 Probability/Statistics (7) 346/347 may be substituted for 345) ___ (3) 425 - Abstract Algebra I ___ (1) 493 - Capstone Semester</p> <p>Additional courses: ___ (3) one of these: ___ (3) 451 Technology ___ (3) CS 170 Science/Math (CS 170 does not count towards 36 Math credits req.)</p> <p>___ additional credits from courses numbered above 310 to reach a minimum of 36 mathematics credits. Suggested courses include: ___ (3) 314 Discrete (GE) ___ (3) 341 Number Theory ___ (3) 346 Probability ___ (4) 347 Statistics ___ (4) 354 Modeling ___ (3) 451 Teach technology If not taken above</p> <p>Also suggested courses in computer science and physics.</p> | <p>___ Be working on 15 of the 30 Service-Learning hours needed.</p> <p>Pre-Program: ___ English 110, C or above ___ Pass PPST – Freshman Year ___ Complete min. 14 credits ___ Have 2.75 or higher GPA</p> <p>___ Psych 261 prior to BLOCK</p> <p>Complete together: ___ (1) CI 210 Teach Exp HS ___ (1) CI 211 Teach Middle</p> <p>Then: ___ (3) FED 385 Soc. Found (Requires 15 of SL hrs. to be completed prior.)</p> <p>___ APPLY to Admission to Program with 3 semesters remaining – including student teaching.</p> <ul style="list-style-type: none"> • Completed CI 210/211 with a B- or better • Has seven (7) or fewer mathematics credits remaining after the current semester • Plans to take block courses (CI 312, 318, 317, 328, 357) next semester | <p>BLOCK- complete together: ___ (2) CI 312 General Methods ___ (1) CI 318 Teach Assist ___ (2) CI 328 Content Read ___ (2) CI 317 Middle Methods ___ (2) CI 357sp Math Methods</p> <ul style="list-style-type: none"> • At most one semester between block and student teaching. <p>Along with BLOCK or immediately after: ___ (3) FED 490 Foundations ___ (2) SPED 300 Spec. Ed</p> <p>___ Pass Praxis II before student teaching: ETS 10061 - Math</p> <p>Professional Semester: ___ (1) Fed 497 Student Teaching ___ One of the following: ___ (14) CI 445 / 470 teaching ___ (14) CI 446 / 475 internship</p> |
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Courses required for a 24-credit MINOR (does not need to be a certifiable minor):

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Additional coursework is required to fulfill the University Graduation Requirements – see other side.

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| <p align="center">College of Education and Human Sciences Requirements for BS Math Teaching with minor</p> | <p>General Education Requirements (min. 39 credits):</p> <p>I. <u>Communications</u> (minimum 6 credits) ___ (3) Language Skills - met by CJ 202 ___ (4-8) Analytical Skills - must complete by end of sophomore year; met by Math 114 or 215 with C or above; if tested out of 215, then must complete 1 GE course from Math, CS, Phil (logic)</p> <p>II. <u>Natural Sciences</u> (9 to 12 credits, 1 lab course, 2 categories, 1 Biol) ___ (4-6) Lab course: Biol 100, 110, 111, 151, 181, 195, 214, 320, 356, 392; Chem 100, 103, 104, 115, 325; Geog 104; Geol 106, 110, 115, 131; Msci 100; Phys 100, 211, 212, 226, 229, 231, 232. ___ 1 or more courses from: Biology, Chemistry, Geography (physical), Geology, Physics, IDIS ___ () _____ ___ () _____</p> <p>III. <u>Social Sciences</u> (9 to 12 credits, 2 categories) ___ (4) PSYC 261 - Development & Classroom Proc ___ (3) POLS 110 - Amer. National Politics ___ **1 or more courses from: anthropology, economics, geography (cultural), political science, psychology (not 100), sociology, IDIS ___ ** () _____</p> <p>IV. <u>Humanities</u> (9 to 12 credits, 2 categories) ___ 1 English or Foreign Language literature course ___ () _____ ___ 1 course from Fine Arts: Art, Art History, Dance, Music, Music Therapy, Theatre Arts. ___ () _____ ___ **1 or more courses from: Fine Arts, Philosophy (excluding Logic), Religious Studies, History, English or Foreign Language Literature, IDIS: AIS 102, Humanities, Interdisciplinary Studies, International Studies, Latin American Studies, Women’s Studies ___ () _____ ___ () _____</p> <p>V. <u>University-wide GE</u> (up to 6 credits). ___ (3) FED 385</p> <p>** Western/Non-Western: One course in Western History/contemporary culture AND one course in non-Western history/contemporary culture from GE III or IV. (See options available at: http://www.uwec.edu/advising/Students/)</p> |
| <p>Credits:</p> <ul style="list-style-type: none"> - Minimum 120 total credits - Minimum of 39 at 300-level or higher - Minimum of 60 unique credits between major-minor concentration - Minimum of 23 credits senior year - Resident, total, major, and minor GPAs of 2.75 - Minimum of 12 credits upper division in major | |
| <p>Competencies:</p> <p><u>English Competency:</u></p> <ul style="list-style-type: none"> - Engl 110 or Engl 112 or Hnrs 101 - with C or above <p><u>Mathematics/Statistics Competency:</u></p> <ul style="list-style-type: none"> - Met by placing into /completing Math 114 <p><u>Foreign Language/Foreign Culture:</u> (one of the following)</p> <ul style="list-style-type: none"> - Place into 201-level course of foreign lang. or earning at least C or S in 102-level foreign language course (or AIS 112 or CSD 103) - Earn credit in a full semester (equivalent) of study abroad or approved internship abroad - Earn a minimum of 9 credits in FC courses - Earn credit in 101- or 102- level (or equivalent) course AND at least 6 credits in FC courses | |
| <p>Other Requirements</p> <p><u>Cultural Diversity:</u> met by FED 385</p> <ul style="list-style-type: none"> - 3 credits of content in a course or courses dealing with African Americans, Hispanics, American Indians, or Asian Americans - <p><u>Service-Learning:</u> met in FED 385</p> <ul style="list-style-type: none"> - 30 hours or more of service/learning - <p><u>Wellness Theory and Physical Activity:</u></p> <ul style="list-style-type: none"> - 1 credit of Wellness Theory - 1 credit of Physical Activity <p>CAUTION: If one switches later to a non-teaching math major, 9 credits of GE coursework must be at the 300 level and from 2 different GE areas. In the teaching program, only FED 385 is a required 300 level.</p> | |