BS IN MATHEMATICS + MAT IN ADOLESCENCE ED: MATHEMATICS

We've developed this program in response to popular demand from students and parents who have called for a pathway to fulfilling jobs in education and mathematics, and to school districts who report an increasing number of full-time job openings in STEM disciplines. Graduation from the Five-Year Master Plan empowers students with options to choose the career they find most fulfilling, whether that means becoming a math teacher, working as a mathematician, or pursuing a Ph.D.

How does it work?
ENROLL in the Five-Year Master Plan and begin taking foundational mathematics courses as a first-year student.

MAINTAIN a 3.0 GPA as you take embedded education courses and pursue your Bachelor of Science (BS) degree in Mathematics.

QUALIFY for early admission to the graduate program during your junior year.

EARN your BS degree in four years, while taking education courses to prepare for your accelerated graduate program.

COMPLETE the MAT program, including all student teaching requirements in just one year.

Admission Requirements
1. Meet with your Advisor to review the BS/MAT program requirements.
2. Submit a Declaration of Major/Change of Major form indicating the BS/MAT program in Mathematics (major 512M) to the office of Records and Registration (Wooster Hall, rm. 115).
3. Meet with Professor Huang to begin selecting courses. Maintain a GPA of 3.0 to fulfill admission requirements for the graduate program.

Early Admission to Graduate Program
During their junior year, students finalize their early admission to the Master of Arts in Teaching program:

• Click this link to access our new application system.
• Create an account (if you are new to this system) and follow the steps to apply for the fall term.
• Select the fall term when you would like to begin your graduate coursework and major code (107C).
NOTE: This program only admits for the fall term.
• Select “BS Mathematics/MAT Adolescence Ed: Mathematics Program” as the intended curriculum.

Upload Checklist Items
To expedite a faculty review of a graduate application, students may upload the following items:

• Admission Essay
• Student copies of transcripts* from every college/university attended

* Full admission REQUIRES the submission of official transcripts and test scores.

Check Your Application Status
• Check your application status via the applicant portal.

BS in Mathematics (major 512M)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<td>MAT251</td>
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<td>MAT381</td>
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<td>Upper-division elective</td>
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Course Title Credits
ECO206 Principles of Microeconomics (3 cr) and ECO207 Principles of Macroeconomics (3 cr)

**Credits**  15-16

### Spring
- **MAT303** Foundations of Analysis  3
- **MAT441** Abstract Algebra I  3
- **EDS383** Introduction to Literacy for Diverse Learners  3
- Upper-division elective  3
- Select SECOND course of the pairings below:  3
  1. CPS210 Computer Science I (4 cr) and CPS310 Computer Science II (4 cr)
  2. BIO201 General Biology I (3 cr) + BIO211 General Biology I Lab (1 cr) and BIO202 General Biology II (3 cr) + BIO212 General Biology II Lab (1 cr)
  3. GLG201 Physical Geology (3 cr) + GLG211 Physical Geology Lab (1 cr) and GLG202 Historical Geology (4 cr)
  4. CHE201 General Chemistry I (3 cr) + CHE211 General Chemistry I Lab (1 cr) and CHE202 General Chemistry II (3 cr) + CHE212 General Chemistry II Lab (1 cr)
- ECO206 Principles of Microeconomics (3 cr) and ECO207 Principles of Macroeconomics (3 cr)

**Credits**  15-16

### Year 4

#### Fall
- **MAT431** Real Analysis I  3
- Math Elective (300-400 level)  3
- Graduate Math elective (500-700 level)  3
- **SED540** Graduate Foundations of Adolescence Education Seminar  1
- **SED525** Digital Literacies and Learning in Secondary Education  1
- **SPE565** Teaching in Inclusive Classrooms  3

**Credits**  14

#### Spring
- **SED493** Integrating English Language Learners in the School & Classroom  3
- Upper-division electives  6
- Graduate Math elective (500-700 level)  3
- **SED703** Curriculum: Designs for Literacy, Learning, and Assessment in Adolescence Education  3
- **SED551** Field Experience I  1

**Credits**  16

**Total Credits**  30

1. Includes 35 hours of fieldwork.
2. Includes 30 hours of fieldwork.

### EDS537 Issues in Multicultural Education
### EDS541 Humanistic/Multicultural Approaches to Education and Human Services
### EDS548 Multicultural Approaches to Helping
### EDS581 Issues of Racism and Sexism in Education

**Credits**  16

#### Spring
- **SED604** Practicum in Secondary Ed 7-9  6
- **SED605** Practicum in Secondary Ed 10-12  6
- **SED606** Practicum Seminar  1
- **SED553** Field Experience III  1

**Credits**  14

**Total Credits**  30

**MAT in Adolescence Ed: Mathematics (major 107C)**

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