

2008-10 Catalog Paradigm Mathematics

First Year	
1.	MATH 131 or MATH 132 (GS8) Prereq for MATH 131– 4 yrs college prep math in HS or MATH 115; for Math 132 – MATH 131 or 124
2.	MATH 132 or MATH 233 Prereq for MATH 132 – Math 131 or 124; for MATH 233 – MATH 132
3.	CSCI 110 Prereq – MATH 115
4.	General Education
5.	General Education
6.	General Education
7.	Elective/Minor
8.	Elective/Minor

Second Year	
1.	MATH 233 Prereq – MATH 132
2.	MATH 250 Prereq – MATH 132
3.	General Education
4.	General Education
5.	General Education
6.	General Education
7.	Elective/Minor
8.	Elective/Minor

Third Year	
1.	MATH 300 or above
2.	MATH 300 or above
3.	MATH 300 or above
4.	General Education
5.	General Education
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor

Fourth Year	
1.	MATH 300 or above
2.	MATH 300 or above
3.	MATH 499 (non credit) (2 nd semester)
4.	General Education
5.	General Education
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor
9.	Elective/Minor

Elective/Minor courses can be used to take additional major courses, free electives, or to fulfill a minor.

Progress Sheet Mathematics

Student Name: _____ Student ID: _____	
General Education – Lower Biennium	Major
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS2 – Philosophy of Human Nature _____ <input type="checkbox"/> GS3 – Human Relationships _____ <input type="checkbox"/> GS4 – Natural Science _____ <input type="checkbox"/> GS5 – Creative Expression _____ <input type="checkbox"/> GS6 – United States Heritage _____ <input type="checkbox"/> GS7 – Foreign Heritages _____ <input type="checkbox"/> GS8 – Quantitative Skills _____ <input type="checkbox"/> GS9 – Writing _____ _____	Required Courses: <input type="checkbox"/> CSCI 110 – Introduction to Computer Programming <input type="checkbox"/> MATH 131 (or 124) – Calculus and Analytic Geometry I (or Survey of Calculus) <input type="checkbox"/> MATH 132 – Calculus and Analytic Geometry II <input type="checkbox"/> MATH 233 – Calculus and Analytic Geometry III <input type="checkbox"/> MATH 250 – Advanced Foundations of Mathematics <input type="checkbox"/> MATH 499 – Senior Examination 5 Math courses numbered 300 or above. CS 323 is included as a math course in this requirement. At least one must be from MATH 303, 306, 373, or 376. <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ .
General Education – Upper Biennium	
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS10 – Western Tradition _____ <input type="checkbox"/> GS11 – Global Society _____ <input type="checkbox"/> GS12 – Senior Colloquium (GENS 400) _____ _____	Note – it is recommended that math majors take courses in at least one area where mathematics is applied; for example, computer science, physics, economics, or business administration. MATH 499 is a noncredit course required of all math majors in their senior year

**2008-10 Catalog Paradigm
Mathematics Teaching Major
Early Adolescence/Adolescence Certification**

First Year	
1.	MATH 131 or MATH 132 (GS8) Prereq for MATH 131– 4 yrs college prep math in HS or MATH 115; for Math 132 – MATH 131 or 124
2.	MATH 132 or MATH 233 Prereq for MATH 132 – Math 131 or 124; for MATH 233 – MATH 132
3.	CSCI 110 Prereq – MATH 115
4.	SSCI 220 (GS3)
5.	EDUC 120 and EDUC 125
6.	General Education
7.	General Education
8.	General Education

Second Year	
1.	MATH 233 Prereq – MATH 132
2.	MATH 250 Prereq – MATH 132
3.	General Education
4.	General Education
5.	General Education
6.	EDUC 351 and EDUC 223 ^{SB}
7.	EDUC 252 and EDUC 254 ^{SB}
8.	EDUC 281 and EDUC 250 ^{SB}

Third Year	
1.	MATH 306 Prereq – MATH 250
2.	MATH 350 (offered Spring semester 2010, 2012) Prereq – MATH 250
3.	MATH 300 or above*
4.	General Education
5.	General Education
6.	EDUC 330, 331, 332 ^{EA}
7.	EDUC 333 and EDUC 334 ^{EA}
8.	Elective

Fourth Year	
1.	MATH 300 or above*
2.	MATH 300 or above*
3.	MATH 499 (non credit) (2 nd semester)
4.	General Education
5.	General Education (GENS 408-GS12)
6.	EDUC 450 ST (2 courses)
7.	EDUC 455 ST (2 courses)

Elective course can be used to take an additional major course or a free elective.

* - one of these must be MATH 321.

SB – Sophomore block, EA – Early Adolescent Block, ST – Student Teaching Semester

Progress Sheet Mathematics Teaching Major

Student Name: Student ID:	
General Education – Lower Biennium	Major
<input type="checkbox"/> GS1 – Religious Studies __RELS 106 or RELS 114__ <input type="checkbox"/> GS2 – Philosophy of Human Nature __PHIL 120__ <input type="checkbox"/> GS3 – Human Relationships __SSCI 220__ <input type="checkbox"/> GS4 – Natural Science __A Physical Science__ <input type="checkbox"/> GS5 – Creative Expression __ENGL 150 or HUMA 100__ <input type="checkbox"/> GS6 – United States Heritage __POLI 130 or HIST 116__ <input type="checkbox"/> GS7 – Foreign Heritages __Any except HIST 112/113__ <input type="checkbox"/> GS8 – Quantitative Skills _____ <input type="checkbox"/> GS9 – Writing _____ _____	Required Courses: <input type="checkbox"/> CSCI 110 – Introduction to Computer Programming <input type="checkbox"/> MATH 131 (or 124) – Calculus and Analytic Geometry I (or Survey of Calculus) <input type="checkbox"/> MATH 132 – Calculus and Analytic Geometry II <input type="checkbox"/> MATH 233 – Calculus and Analytic Geometry III <input type="checkbox"/> MATH 250 – Advanced Foundations of Mathematics <input type="checkbox"/> MATH 306 – Abstract Algebra <input type="checkbox"/> MATH 321 – Probability and Statistics <input type="checkbox"/> MATH 350 – Modern Geometry <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 300 or above _____ <input type="checkbox"/> MATH 499 – Senior Examination . MATH 499 is a noncredit course required of all math majors in their senior year.
General Education – Upper Biennium	
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS10 – Western Tradition _____ <input type="checkbox"/> GS11 – Global Society _____ <input type="checkbox"/> GS12 – Senior Colloquium (GENS 400) __GENS 408__	Notes – 1. Those wishing to obtain teaching certification must contact a co-advisor in the Education Discipline. During the Freshman year a letter of intent to apply for admission to the Teacher Education Program must be filed in the Teacher Education office. 2. Teaching certification requires specific General Education courses. 3. MATH 306 must be taken no later than the fall of the junior year in order to complete the program in four years. 4. MATH 350, a required course, is offered every other spring. 5. Advanced MATH courses are numbered 300 or above.