

Early Adolescence through Adolescence: Mathematics (Approximate Ages 10 – 21 Years) Undergraduate Program Sheet

Student Name _____ ID (last four digits) _____ Education–Intended: Semester _____ Year _____

PROGRAM ADMISSION REQUIREMENTS

Application to the Mathematics program requires satisfactory completion of the requirements listed below. For more information about the application process, visit our website at:

<http://www.currinsadvising.soe.uwm.edu>

- () **PRAXIS I: Pre-Professional Skills Test** with passing scores in reading, writing and math. When registering for the test, indicate UWM as a score recipient (#RA1473).

Reading	_____	175
Writing	_____	174
Math	_____	173

If you are having difficulty passing any portion of the PRAXIS I, please contact your academic advisor prior to taking the test a third time.

PRAXIS Information

http://www4.uwm.edu/soe/student_services/oas/praxis_information/

- () **English Composition:** Achieve a placement level of 4 or higher on the English Placement Test, or complete ENGLISH 102 or an equivalent with a grade of C or better.
- () **Mathematics Skills:** Achieve a placement level of 30 or higher on the Math Placement Test, or complete MATH 105, 103, 175 or an equivalent with a grade of C or better.
- () **Completion of CURRINS 300: Introduction to Teaching** with a grade of C or better.
- () **Completion of COMMUN 101 or 103** with a C or better.
- () **A 2.5 minimum cumulative GPA** in all UWM and transfer courses at the time of admission application.

- () **Completion of the following at the time of admission application:** [MATH 231, 232 and 233 or an equivalent sequence of calculus and analytical geometry] plus [MATH 234 or 341 or equivalent course in linear algebra and differential equations], with a 2.75 GPA in these and all faculty approved math courses 300 level or above.
- () **A minimum of 58 credits** (UWM and transfer credits) at the time of admission application. It is not required to have all the Core Curriculum courses completed at the time of application.
- () **Meeting with faculty advisor** to review admission application. Faculty signature required on application.

GENERAL EDUCATION AND CORE CURRICULUM REQUIREMENTS

Completion of the course work in this section will meet the general education requirements (GER) of the University. A complete list of GER courses may be found online at:

http://www4.uwm.edu/current_students/ger_information/gercourses.cfm

The Arts – At least three credits of the nine credits required must be in an approved GER-A course. Choose from Art, Dance, Film, Music, or Theater.

- () 3 Elective (GER-A) _____
- () 3 Elective _____
- () 3 Elective _____

The Humanities – At least six credits of the nine credits required must be in two approved GER-H courses. These requirements will be met in the English content areas. For complete list of literature electives (GER-H): <http://www4.uwm.edu/soe/departments/currins/advising/upload/GERH-Literature-Courses.pdf>

- () 3 ENGLISH 201
- () 3 Literature Elective (GER-H) _____
- () 3 Humanities Elective (GER-H) _____

The Natural Sciences (including mathematics) – At least six credits of the nine credits required must be in two approved GER-NS courses. One course must include a lab.

- () 3 COMPSCI 201
- () 3 Biological Science Elective (GER-NS) _____
- () 5 PHYSICS 209 (GER-NS) and 214 (Lab)

The Social Sciences

- () 3 HIST 151 or 152
- () 3 POL SCI 104 or 105
- () 3 ECON 103 or 104 Principles of Microeconomics/Macroeconomics

Cultural Diversity – At least three credits must be in an approved Cultural Diversity course. The requirement may be met with any course listed with an ampersand in the GER course listing. Note that ANTHRO 213, ENGLISH 276, AIS 203 or HIST 263 meets the cultural diversity requirement in addition to the non-western history/contemporary culture and ACT 31 requirements.

- () 3 Cultural Diversity Elective _____

Foreign Language – American Sign Language is accepted as a foreign language. See your advisor if English is not your first language.

- () 2 consecutive semesters of college instruction in a single foreign language (at least six credits)
- () 2 consecutive years of high school instruction in a single foreign language
- () Language proficiency on approved exam
- () Not required (first semester as a freshman was prior to September 1999)

PI 34 STATUTORY REQUIREMENTS

ACT 31 - A component of the Human Relations Requirement for Teacher Certification met by completing one of the following courses or a one-day seminar.

- () 3 ANTHRO 213 American Indian Peoples of Wisconsin
- () 3 ENGLISH 276 History, Sovereignty, and Literature of Indians in the Upper Midwest
- () 3 AIS 203 Western Great Lakes American Indian Community Life of the Past
- () 3 HIST 263 North American Indian History Since 1887
- () One - Day Seminar Contact School of Education – Outreach at (414) 229-4728

Non-Western History or Contemporary Culture

- () 3 Non-Western History or Contemporary Culture _____
(African, Latin American, Asian, Native American etc.)

Suggested: *ANTHRO 213, ENGLISH 276, AIS 203 or HIST 263*

ELECTIVE COURSES

Select electives to ensure 128 credits at the time of graduation.

- () Elective _____
- () Elective _____

MATHEMATICS CONTENT AREA

Minimum 30 credits required.

	Grade
() 4 MATH 231 or 221 Calculus I or Honors Calc I	_____
() 4 MATH 232 or 222 Calculus II or Honors Calc II	_____
() 4 MATH 233 Calculus or Analytical Geo (Not required if MATH 221 or 222 have been taken)	_____
() 4 MATH 234 Linear Algebra/Diff Equat	_____
() 3 MATH 341 Intro to Lang. & Practice	_____
() 3 MATH 431 or 531 Modern Algebra	_____
() 3 MATH 451 or 453 Axiomatic or Transf Geo	_____

Select one of the following:

- () 3 MATH STAT 465 Intro to Math Stat _____
OR
- () 6 MATH STAT 361 Intro to Math Stat. I **AND** _____
MATH STAT 362 Intro to Math Stat. II _____
OR
- () 3 IND ENG 467 Introductory Statistics for _____
Physical Sciences and
Engineering Students
- () 3 MATH 675 Topic: Mathematics for High _____
School Teachers from an
Advanced Prospective

() 3 *Select one of the following:*

- () MATH 431 or 531 Modern Algebra
- () MATH 451 or 453 Axiomatic or Transformational Geometry
- () MATH 521 Advanced Calculus
- () MATH 535 Linear Algebra

PROFESSIONAL EDUCATION REQUIREMENTS

MACSTEP Sequence: Milwaukee Area Collaborative Secondary Science (and Math) Teachers Education Program - The following courses require formal admission to the School of Education.

Taken prior to start of MACSTEP sequence in summer:

- 3 ED PSY 330 Introduction to Learning and Development

SUMMER

- 3 CURRINS 332 Teaching of Math: Middle School
- 2 CURRINS 510 Cooperative Strategies for Pre & Early Adolescents
- 3 CURRINS 545 Reading in the Content Area
- 3 CURRINS 629 Change and Change Strategies in Education
- 1 ED PSY 579 Alternative Assessment in Science & Math I

FALL

- 3 CURRINS 316 Field Work in Secondary Reading in Content Areas
- 1 CURRINS 510 Cooperative Strategies for Pre & Early Adolescents
- 2 CURRINS 516 Field Experience / Student Teaching in Middle School
- 3 CURRINS 532 Teaching of Mathematics: Secondary
- 1 ED PSY 579 Alternative Assessment in Science and Math II
- 1 EXCEDUC 537 Inclusion for Secondary Math Educators

Student Teaching – Students must complete paperwork in order to be assigned a student teaching placement. Student teaching deadlines (February or April) are posted on the Field Experience Web site:

http://www4.uwm.edu/soe/student_services/professional_ed/field_ex/teach_app

To be approved for placement, you must meet the following criteria:

- Admitted to the School of Education
- Completion of all required course work
- Cumulative GPA of a minimum 2.5 (all undergraduate course work, including transfer course work)
- A minimum 2.75 in all your mathematics content area and professional education courses
- Passing scores reflected on your transcript for the PRAXIS II exam:
Mathematics: Content Knowledge #10061
Score of 135 required _____
- Removal of all F or I (incompletes) grades in courses that count toward graduation or certification.
- TB test results submitted to the Field Experience Office
- Criminal Background Check submitted to the Field Experience Office

SPRING

- 5-6 CURRINS 431 Student Teaching in Mathematics
- 5-6 CURRINS 431 Student Teaching in Mathematics
- 1 ED PSY 579 Alternative Assessment in Science & Math III
- 2 EXCEDUC 536 Inclusion for Secondary Math Educators

ADDITIONAL REQUIREMENTS FOR GRADUATION

- Minimum cumulative grade point average of 2.75 in all content area and professional education courses, including any transfer courses.
- Satisfactory completion of a minimum 128 credits
- Completion of the last year of course work (30 credits) in residence at UW-Milwaukee