

**EFFECTIVE FOR STUDENTS ENTERING FALL, 2005**  
**INTEGRATED MATHEMATICS EDUCATION PLAN OF STUDY**  
**GRADES 7-12**  
**MIAMI PLAN FOR LIBERAL EDUCATION**

Foundation	Course #	Hrs	Course Title
I A	ENG 111	3	College Composition
I B	ENG 112	3	Composition and Literature
II A	Fine Arts	3	(choice)
II B	EDL 204	3	Socio-cultural Studies in Education
II C	EDP 201	3	Human Development & Learning in Social & Educational Contexts
II A, B, or C		3	(choice—Miami Plan Fine Arts, Humanities, or Social Science)
III A	U.S. Cultures	3	(choice)
III B	World Cultures	3	(choice)
IV A/B	Bio/Phy. Sci.	9	(choice)
V	MTH 151 or +	4-5	Calculus I (or higher--depending upon placement test)
		9	Thematic Sequence (may choose MTH sequence)
	CAPSTONE	3	MTH 482 – Great Theorems of Mathematics

At least one Miami Plan course must meet the historical perspective requirement

Additional Content Courses:

**Choose one of the following sequences:**

- MTH 151, 251, 252 Calculus I (5), II (4), III (4)
- MTH 153, 251, 252 Calculus I (5), II (4), III (4)
- MTH 249, 252                      Calculus II (4), III (4)
- MTH 251, 252                      Calculus II (4), III (4)

**Take all of the following:**

- MTH 222                      Linear Algebra (3)
- MTH 330                      Problems Seminar (1) (focus on Praxis II math content review)
- MTH 331                      Discrete Mathematics (3)
- MTH 408                      Problem Solving with Technology  
or EDT 465                      Computing Technology Applied to Mathematics (3)
- MTH 411                      Foundations of Geometry (3)
- MTH 421                      Introduction to Abstract Algebra (4)
- MTH 482                      Great Theorems of Mathematics (3)
- STA 301                      Applied Statistics (3)
- STA 401                      Probability (3)

**Additional electives:** 3 additional hours of electives in MTH or STA, 300-level and above. (see DARS for specific courses which will count as electives.) Must have a minimum of 22 hours at the 300 and 400-level.

**TOTAL: (38-42 content hrs.—depending on initial math placement and AP credit)**

**PROFESSIONAL EDUCATION REQUIREMENTS**

EDT 190	Intro. to Adolescent Educ.	(3)	FSW 481A	Adol. Dev.-Diverse Families	(3)
EDP 201	Educational Psychology	(3)	<small>(other choices are all Miami Plan courses: AMS 101, ATH 185, BWS 185, ENG 162, ENG 248, ENG 254, GEO 201, IDS 159, or WMS 201)</small>		
EDL 204	Sociocultural Studies in Educ.	(3)	EDP 440	Integrating Technology in the Classroom	(1)
EDL 318A	Leadership in Education	(3)	EDP 352	Inclusion of Children/Youth with Exceptionalities	(3)

Remember--your **cohort year** is the year during which you take the two-semester sequence of methods courses. Prerequisites to methods block: admission to math cohort, EDT 190, EDP 201, EDL 204, calculus sequence, MTH 222, MTH 408 or EDT 465, 5 hrs. of 300-400 level MTH/STA, 2.5 gpa (cumulative, education core, and in content courses,) evidence of computer competency by passing CSA 141 test (or successful completion of CSA 141) 64 cr. hrs. earned. Prerequisite to EDT 430- successful completion of EDT 429A, EDT 421A, and EDP301A.

Take the following courses **concurrently** **Fall** term:

- EDT 429A**                      Adolescent Mathematics I                      (3)
- EDP 301A**                      Assessment/Eval. in Educ.                      (3)
- EDT 421A**                      Classroom Management                      (2)
- MTH 330**                      Problems Seminar--Praxis review                      (1)  
(MTH 330 is an optional course)
- EDT 446**                      Integ. Literacy Across Content Areas(3)

Take the following course in the **Spring**

- EDT 430    Adolescent Mathematics II                      (3)

Student teaching—prerequisites: pass Praxis II, admission to math cohort successful completion of methods with 2.5, MTH 411, STA 301&401, 15 hours of 300-400 level MTH/STA courses., 2.5 gpa(cumulative, education core, and in content courses,) and 96 credit hrs. earned.

- EDT 419**                      Supervised Teaching                      (15)

(over)