
Chapter 3

Bachelor of Science Degree in Mathematics (General Option)

The purpose of this option is to provide a way for students to construct, within limits, their own curricula. It thus allows room in the major for a student interested in an unusual area of application or one with an unusual range of interests within mathematics. The option requires at least one course at the 400 level in each of the areas of analysis, algebra, and applied mathematics. An approved sequence of 12 credits is required which may consist of courses either in mathematics or in a related area, or in an area of application.

General Option Check Sheets (120 credits)

1 MAJOR REQUIREMENTS (26-27 credits)			
MATH 140* (4) <u> </u>	CSE 121 (3) <u> </u> OR	MATH 230 (4) <u> </u>	MATH 311W* (3) <u> </u>
MATH 141* (4) <u> </u>	CMPSC 101 (3) <u> </u> OR	MATH 250 (3) <u> </u> OR	
MATH 220 (2) <u> </u>	CMPSC 201C (3) <u> </u>	MATH 251 (4) <u> </u>	MATH 312* (3) <u> </u>

Total Credits: _____

3. Bachelor of Science Degree in Mathematics (General Option)

2 OPTION REQUIREMENTS (53–54 credits)		
MATH 403*(3) _____	CHOOSE 6 CREDITS of 400-LEVEL MATH	SUPPORTING COURSES (15–16)
CHOOSE 3 CREDITS OF: MATH 414*(3) _____ OR MATH 418*(3) _____	EXCEPT: MATH <i>401, 405, 406, 441, 470</i> <i>and 471.</i>	
CHOOSE 3 CREDITS OF: MATH 435*(3) _____ OR MATH 436*(3) _____	MATH _____*(3) _____ MATH _____*(3) _____	
CHOOSE 3 CREDITS OF: MATH 411*(3) _____ OR MATH 412*(3) _____ OR MATH 417*(3) _____ OR MATH 419*(3) _____ OR MATH 421*(3) _____	FOREIGN LANGUAGE (8): LEVEL I: _____(4) _____ LEVEL II: _____(4) _____	
	AREA OF APPLICATION (12): _____ () _____ _____ () _____ _____ () _____ _____ () _____	

Total Credits: _____

Foreign Language - Proficiency in a single foreign language equivalent to completion of two semesters of course work must be demonstrated. If fewer than 8 credits are needed to reach this level of proficiency, then choose courses from the Supporting Courses List (Appendix C in the Degree Handbook) to total 8 credits. Policies regarding placement in a foreign language can be found in Appendix A of the Degree Handbook.

Application Area - Choose an approved sequence of 12 credits in an area of application, have it approved by your advisor and then file a copy with the Mathematics Degree Coordinator (Dr. David Hurtubise, Hurtubise@psu.edu).

Supporting Courses A list of supporting courses is in Appendix C in the Degree Handbook. The only courses in this degree which can be scheduled under the satisfactory/unsatisfactory option are supporting courses.

Note: Requirements indicated with * identify courses that require a minimum grade of ‘C’ for graduation.

3 GENERAL EDUCATION (40 credits)		
ENGL 15 OR 30 (3) ____ (GWS)	ARTS (6 CR) (GA)	SOC./BEHAV.SCI (6CR) (GS)
ENGL 202 (3) ____ (GWS)	_____ () ____	_____ () ____
CAS 100 (3) ____ (GWS)	_____ () ____	_____ () ____
NATURAL SCI. (9 CR) (GN)	_____ () ____	_____ () ____
_____ () ____	HUMANITIES (6 CR) (GH)	HEALTH/PHYS. ACT. (3 CR) (GHA)
_____ () ____	_____ () ____	_____ () ____
_____ () ____	_____ () ____	_____ () ____
_____ () ____	_____ () ____	_____ () ____
WRITING ACROSS THE CURR. _____	US CULTURES (3 CR) (US)	FIRST-YEAR SEMINAR _____(1) ____
	INT'L CULTURES (3 CR) (IL)	

Total Credits: _____

General Education Courses - a description of these requirements can be found at www.psu.edu/bulletins/bluebook/gened.

Note: A student may, in consultation with the advisor and the student's college dean, develop a sequence of 9 credits in either the arts, humanities, or social or behavioral sciences by substituting 3 credits from one of the other two areas not in the student's major field of study.

US Cultures and International Cultures Requirements - Students must complete a 3-credit course in United States Cultures (US) and a 3-credit course in International Cultures (IL). See www.psu.edu/bulletins/bluebook/gened.

4 REMEDIAL & REPEATED COURSES	5 SENATE POLICY 83-80	6 CREDITS
Courses that do not meet degree requirements:	Source/Time for credit acquisition:	Total Credits Earned: (less repeats and remedial; must have at least 120)
_____	36 of the last 60 credits at PSU?	_____
_____	_____	_____
_____	60 credits in the last 5 years?	_____
_____	_____	_____

Grand Total Credits: _____

(MUST HAVE AT LEAST 120 CREDITS TO GRADUATE.)