

Mathematics — Teacher Preparation — Secondary 6-12 (B.A. or B.S.)

Degree Type

B.A. or B.S.

Objective:

To enable students to meet Virginia requirements for licensure to teach mathematics.

Students who wish to receive a B.S. in Mathematics - Teacher Preparation must complete a minor as directed in the requirements for the BS in mathematics.

Departmental Requirements:

Students must complete or place out of Mathematics 123.

The Mathematics requirement will be satisfied by Mathematics 151.

Item #	Title	Semester Hours
MATH 151	Calculus I	4
MATH 152	Calculus II	4
MATH 201	Intro to Mathematical Reasoning	3
MATH 253	Calculus III	4
MATH 312	Fundamentals of Mathematics II	3
MATH 321	Linear Algebra	3
MATH 340	Geometry	3
	MATH 360 or STAT 161	3-4
MATH 370	Discrete Structures	3
MATH 420	History of Math	3
MATH 421	Modern Algebra	3

Recommended

Item #	Title	Semester Hours
MATH 451	Real Variable Theory	3

Licensure Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	1
EDUC 115	Early Field Experience	1
EDUC 305	Human Growth & Development	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 440	Seminar: Teaching Secondary School	2
EDUC 441	Supervised Teaching-Secondary School	10
EDUC 445	Foundations of Education	3
EDUC 449	Reading & Writing in Content Areas	3
EDUC 450	Curriculum&instruct in Sec School	3

Additional Requirements:

Item #	Title	Semester Hours
	HIST 111 or HIST 112	3
	Laboratory Science (4)	4

Recommended:

The student should select core courses to meet state licensure requirements while fulfilling college graduation requirements.

Education 440, 441, and 450 are taken in the professional semester.

Education 441 is the senior project for teacher preparation.

Item #	Title	Semester Hours
	HHP 231 or HHP 232 or HHP 251	3
	Total Credits	77-78

MATH 360 or STAT 161

Elective Credits 3-4

Item #	Title	Semester Hours
MATH 360	Probability & Statistics	3
STAT 161	Introduction to Statistics	4

HIST 111 or HIST 112

Elective Credits 3

Item #	Title	Semester Hours
HIST 111	American History to 1861	3
HIST 112	American History Since 1861	3

Laboratory Science (4)

Elective Credits 4

HHP 231 or HHP 232 or HHP 251

Elective Credits 3

One course from:

Item #	Title	Semester Hours
HHP 231	Personal Health	3
HHP 251	Safety Education	3