



PROGRAM: Mathematics: Secondary Education (BA.MAT.SED)

This plan is an example of how you can earn your degree in four years.
You may work with your advisor to customize the plan to fit your circumstances.

2020-21

FALL	cr.
FYS	3
ENG 1061 Eng Comp	3
INT 1051 Soundings I	1
MAT 1360 Precalculus (SM)	4
EDU 1012 Educational Inquiries	3
PSY 1050 Human G & D (SB)	3

SPRING	cr.
INT 1053 Soundings II	.5
MAT 1531 Calculus I (SM)	4
Gen Ed	3
Gen Ed	3
Gen Ed	3
Ed Elective	3
Quantitative Reasoning Exam	

J.TERM & SUMMER	cr.

NOTES: *EDU 1012, EDU 2031, and EDU 2032 require B- or better.*
PSY 1050 is one of three possible choices.
By end of second semester: Complete Gateway 1 (Education)

Total credits after Year One (THINK 30): 33.5

2021-22

FALL	cr.
ENG 2260 Touchstones	3
MAT 2532 Calculus II (SM)	4
CIS 2031 C/C++ Prgming*	3
EDU 3012 Secondary Pedagogy*	3
Gen Ed	3
Information Literacy Exam	

SPRING	cr.
MAT 3533 Calculus III*	4
EDU 2031 Disc Lit Secondary*	3
EDU 2032 Special Ed Secondary*	3
Ed Elective	3
Elective	3

J.TERM & SUMMER	cr.

NOTES: *Fall/Spring Only courses are asterisked*

Total credits after Year Two (THINK 60): 65.5

*Menu of Gen Ed courses

- ENG 1070 Effective Speaking -10 cr. Scientific & Mathematical Understanding
- 2 WI courses -6 cr. Aesthetic Understanding

-1 CI course
-1 SI course

-6 cr. Social & Behavioral Understanding
-6 cr. World Views

2022-23

FALL		SPRING		J.TERM & SUMMER	
	cr.		cr.		cr.
INT 3054 Jr. Soundings	.5	MAT 3310 Differential Eqns*	3		
MAT 3210 Linear Algebra*	3	MAT 3230 Math Stats*	3		
MAT 3533 Probability*	3	MAT 4130 Abstract Algebra	3		
MAT 3410 Intro Math Proofs*	3	MAT 4140 Geometry*	3		
MAT 3035 Teaching Math*	3		3		
Elective	3				
		submit Application for Degree			

NOTES: Fall/Spring Only courses are asterisked

Total credits after Year Three (THINK 90): 96

MAT 3035 is for Math Ed or MDS majors only; junior or senior status required. Runs Fall Odd Years only.

Prior to taking EDU 4031: Complete Gateway 2 (Education)

2023-24

FALL		SPRING		J.TERM & SUMMER	
	cr.		cr.		cr.
MAT 3820 Math Tutorship	3	EDU 4871 Student Teaching I	6		
MAT 4110 Adv Calculus	3	EDU 4872 Student Teaching II	6		
MAT 4720 Senior Seminar*	3	EDU 4720 Student Teaching Sem	3		
EDU 4031 Ed Collaborations	5				

NOTES: Need at least 120 cr. to graduate

Total credits after Year Four (THINK 120): 125

To be recommended for licensure to teach in Vermont, students must complete Gateway 3 (Education), which includes passing Praxis I and II, maintaining a cumulative GPA of at least 3.0, and receiving a B or better or "PASS" in EDU 4871, 4872, and 4720. Students must also submit Licensure Portfolio and appropriate application materials for review by the Castleton Licensure Committee.

We strongly encourage you to:

- **Get involved on campus:** Join (or start) a club. Serve as an SOS. Apply to be a CA. Be a tutor. Play intramurals. Participate in SGA, a singing group, WIUV, the Spartan newspaper, a theater production, Green Campus Initiative, the Athletic Band, etc.
- **Expand your academic program:** Complete a minor. Earn the Certificate in Civic Engagement or the Certificate in Global Studies. Take a foreign language. Study abroad. Visit the Academic Support Center. Meet with your academic advisor every semester.

- **Explore career options:** Visit Career Services early and often. Get an internship. Attend the Career & Grad School Fair. Go to the Part-Time Job Fair. Do research with a professor. Join your field's professional organization. Investigate graduate school options.
- **Serve the community:** Take a Civic Engagement course. Join the Mentoring Program. Participate in Alternative Spring Break. Volunteer off-campus for a community organization (e.g. Habitat for Humanity, Meals on Wheels, the Boys & Girls Club, etc.).