

Roadmap B.S. in Mathematics: Integrated Credential option - AY 2022-2023

YEAR 1: FALL			YEAR 1: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 76	4	MATH 75/(75A & B)	MATH 77	4	MATH 76
MATH 143	4	MATH 75	MATH 111	4	MATH 76
LD GE A1	3		PHYS 4A+4AL (B1+B3) ⁰	4	MATH 76 (Conc. OK)
LD GE A2	3		LD GE C2	3	
LD GE C1	3				
TOTAL UNITS	17	(9 GE)	TOTAL UNITS	15	(7 GE)

YEAR 2: FALL			YEAR 2: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 81	3	MATH 77	MATH 152 ¹	4	MATH 77
MATH 101	4	MATH 75/(75A & B)	MATH 161	3	MATH 111
LD GE B2	3		LD GE D2	3	
LD GE C1 or C2	3		PL SI 2 (US & Ca Govt)	3	
HIST 11 or 12 (D1)	3		LD GE F	3	
TOTAL UNITS	16	(9 GE)	TOTAL UNITS	16	(9 GE)

YEAR 3: FALL			YEAR 3: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 151 ¹	4	MATH 152 (or permission) and MATH 111	MATH 171 ¹	4	MATH 111
MATH 145	3	MATH 111	MATH 193D (Spring only)	1	MATH 111 and at least one of MATH 101, 143, 145
MATH 123 (UD GE IB) ⁰	3	MATH 77	MATH 149S (Spring only)	4	MATH 151; 161 and 171 (conc. OK)
CSCI 40	4	MATH 75	CI 151	3	Admission to Credential Program
LD GE E	3		CI 152	3	Admission to Credential Program
TOTAL UNITS	17	(6 GE)	TOTAL UNITS	15	

YEAR 4: FALL			YEAR 4: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
ANTH 105W (MI) ⁰	3		SPED 158	3	
UD GE IC	3		LEE 156	3	
LEE 157	3	Conc. with EHD 155A or EHD 155B	EHD 154B	1	Conc. with EHD 155B
EHD 154A	1	Conc. with EHD 155A	EHD 155B	10	EHD 155A, CI 161; Conc. with EHD 154B
EHD 155A	4	Conc. with EHD 154A			
CI 161 (Fall only)	3	CI 152 and Admission to Credential Program			
TOTAL UNITS	17	(3 GE)	TOTAL UNITS	17	

Notes: Students attempting this option will already have completed Calculus I (MATH 75⁰) through AP Calculus AB.

6 units of GE requirements are waived (A3 and ID) for the Integrated Credential Option.

⁰3 units of MATH 75 (or MATH 75A) also will satisfy the G.E. Foundation B4 requirement.

⁰**PHYS 4AL is required for this option in the math major.** PHYS 4A + 4AL will satisfy the G. E. Breadth B1/B3 requirement.

⁰MATH 123 will also satisfy the G.E. area IB requirement.

⁰Students in the Integrated Credential option are required to take ANTH 105W as MI and writing course.

¹ It is suggested to take MATH 81 before taking MATH 152.

¹ Taking MATH 116 or another proofs class before taking MATH 151, and one of MATH 161/128/165 before taking MATH 171 is encouraged.

Advising note: Students should meet with their academic advisor from the Department of Mathematics at least once per year. Students need to **apply** to the Single Subject Credential Program during the semester before taking CI courses, and need to **take** the CBEST test before applying to the Credential Program. Also, students are expected to attend an orientation meeting before they have access to enrolling in CI 151 and CI 152. Students should meet with a credential advisor from the Department of Mathematics early during the Fall semester of year three.