

## Roadmap B.S. in Mathematics: Integrated Credential option For Transfer Students

This guide is an unofficial document intended to be used for advising and course planning. This document cannot be used to waive or supersede requirements listed in the catalog. Fulfillment of all University requirements (including required units) will be determined by the office of the Registrar.

This guide assumes that the student has satisfied and transferred from community college all of the lower division GE requirements, and the following courses: MATH 75, 76, 77, 81; and PHYS 4A+ 4AL<sup>0</sup> and CSCI 40. All of these courses are required for the Mathematics major.

YEAR 1: FALL			YEAR 1: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 111	4	MATH 76	MATH 101	4	MATH 75
MATH 143	4	MATH 75	MATH 123 (UD GE IB <sup>0</sup> )	3	MATH 77
MATH 152 <sup>1</sup>	4	MATH 77	MATH 161	3	MATH 111
UD GE IC	3		MATH 193D (Spring only)	1	MATH 111; and one of MATH 101, 143, 145
			ANTH 105W (MI <sup>0</sup> )	3	
<b>TOTAL UNITS</b>	15		<b>TOTAL UNITS</b>	14	

YEAR 2: FALL			YEAR 2: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
MATH 145	3	MATH 111	MATH 149S (Spring only)	4	MATH 145, 151, 161 (145 and 161 Conc. Ok)
MATH 151	4	MATH 152 (or permission); and MATH 111	MATH 171	4	MATH 111
CI 151	3	Admission to Credential Program	LEE 157	3	Conc. with EHD 155A or EHD 155B
CI 152	3	Admission in the Credential Program	EHD 154A	1	Conc. with EHD 155A
LEE 156	3		EHD 155A	4	Conc. with EHD 154A
<b>TOTAL UNITS</b>	16		<b>TOTAL UNITS</b>	16	

YEAR 3: FALL			YEAR 3: SPRING		
COURSE	UNITS	PREREQ	COURSE	UNITS	PREREQ
EHD 154B	1	Conc. with EHD 155B			
EHD 155B	10	EHD 155A, CI 161 (conc. OK); Corequisite with EHD 145B			
CI 161 (Fall only)	3	CI 152 and Admission to Credential Program			
SPED 158	3				
<b>TOTAL UNITS</b>	17		<b>TOTAL UNITS</b>		

<sup>0</sup>PHYS 4A and 4AL (lab) are required for the this option.

<sup>0</sup>MATH 123 double counts for the major requirements and the General Education area IB requirement (for the Integrated Credential option only).

<sup>0</sup> ANTH 105W is required for this option; it satisfies the upper division Writing Skills Requirement and the campus MI requirement.

<sup>1</sup> It is suggested to take MATH 81 before taking MATH 152.

**Advising note: Upper Division GE courses, MATH 101 and MATH 143 are also offered during summer sessions. Students should meet with their academic advisor from the Department of Mathematics at least once per year.**

Students in this option should consult with a credential advisor in the Department of Mathematics early in their first semester at Fresno State. 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 C1 151 and CI 152.