Mathematics
Integrated Credential Option, B.S.(120 Units)
Valid for Catalog Years: 2018/2019 to 2019/2020
*Official planning guide approved by the College of Science & Math

	Freshman		Sophomore		Junior		Senior	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
Units	17-18	15-16	16-17	16	18	15	17-18	17
Milestones								
General Education	**A1 (3 Units)** Oral Communication *Must pass with a C or better	**C2 (3-4 Units)** Humanities	**B2 (3-4 Units)** Life Sciences	**D2 (3 Units)** American Government (PLSI 2)	**E1 (3 Units)** Lifelong Understanding & Self Development	**IB (3 Units)** Physical Universe & Its Life Forms	**IC (3-4 Units)** Arts & Humanities	
	A2 (3 Units) Written Communication *Must pass with a C or better; ENGL 10 recommended		**C1/C2 (3-4 Units)** Arts or Humanities	**D3 (3 Units)** Social Science				
	C1 (3-4 Units) Arts		**D1 (3 Units)** American History (HIST 11 or 12)					
Major	**MATH 76 (4 Units)** [Pre-Req: MATH 75 or MATH 75A & B]	**GE Area B1 PHYS 4A (3 Units) Physical Sciences** [Pre-Req: GE B4; MATH 76 (may be taken concurrently)] *See footnotes	**MATH 81 (3 Units)** [Pre-Req: MATH 77]	**MATH 152 (4 Units)** [Pre-Req: MATH 77]	**MATH 151 (4 Units)** [Pre-Req: MATH 111]	**MATH 171 (4 Units)** [Pre-Req: MATH 111]	**CI 161 (3 Units)**	**SPED 158 (3 Units)**
	MATH 143 (4 Units) [Prerequisite: MATH 75 or MATH 75A and 75B]	**GE Area B3 PHYS 4AL (1 Unit) Lab** [Co-Req: PHYS 4A] *See footnotes	**MATH 145 (3 Units)** [Prerequisite: MATH 111; EHD 50 (may be enrolled concurrently)]	**MATH 161 (3 Units)** [Prerequisite: MATH 111]	**MATH 101 (4 Units)** [Prerequisite: MATH 70 or MATH 75, or MATH 75A and B; no credit if taken after MATH 108]	**MATH 149S (4 Units)** [Prerequisites: MATH 151; MATH 161; MATH 171 (MATH 161 and 171 may be taken concurrently)]	**EHD 154A (1 Unit)**	**LEE 156 (3 Units)**

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Major		**MATH 77** (4 Units) [Pre-Req: MATH 76]		**CI 151** (3 Units)	**CSCI 40** (4 Units) [Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry]	**MATH 191T** (1 Unit) [In Teaching]	**EHD 155A** (4 Units) [Prerequisites: Admission to the Single Subject Credential Program; CI 151, CI 152, CI 159 must be taken prior to or concurrently]	**EHD 154B** (1 Unit) [Prerequisites: Concurrent enrollment in EHD 155B]
		MATH 111 (4 Units) [Pre-Req: MATH 76]			**CI 152** (3 Units) [Prerequisites: Admission to Single Subject Credential Program]	**ANTH 105W** (3 Units) Multicultural/ International [Prerequisite: G.E Foundation and Breadth Area D, satisfactory completion (C or better) of ENGL 5B or ENGL 10]	**LEE 157** (3 Units) [Prerequisites: Admission to the Single Subject Credential Program and concurrent enrollment in EHD 155A or EHD 155B]	**EHD 155B** (5 Units) [Prerequisites: admission to student teaching, EHD 155A, CI 161 (or concurrently)]
							MATH Elective	

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FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

MATH 75: MATH 75A & B may be taken in lieu of MATH 75.

PHYS 4A/4AL: PHYS 4AL is required for the Integrated Teaching Option. PHYS 4A+4AL will satisfy the General Education (GE) Breadth requirement.

Option specific MATH Electives (17-18 units): Math electives of the Integrating Teaching Option select from the following: Math 143, 145, 149S, 161; MATH 191T and one MATH Elective (3-4 units mathematics course, upper division or graduate (excluding MATH 100, 133, 134, 137, 138, 139)

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W." Students in the Integrated Teaching Option are required to take ANTH 105W as a GE and writing course.

Substitution: If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also inlcudes the upperdivision writing requirement.