



# Mathematics A.S. Degree

This program map represents one possible path for completing this program. **Please see a counselor** to create an educational plan that is customized to meet your needs. This path is not a guarantee of course availability or financial aid applicability.

**Catalog:** 2023-24

**Total Units:** 60-61

## First Year

### Semester 1

14-15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MATH 400 <sup>+</sup>	Calculus I	5	IIB
GE	INDIS 313 <sup>*</sup>	Freshman Seminar	3	IIIB
GE		Humanities	3	I
GE	ENGWR 300 <sup>**</sup> / 488 <sup>H</sup> / ESLW 340	College Composition	3-4	IIA

**+Prerequisite for MATH 400:** Math 372 and 373 with grades of "C" or better or placement through the assessment process

**\*INDIS 313 - Freshman Seminar is specifically designed for First Time in College students. If you're not a First Time in College student, please select a GE course from SCC General Education Area IIIB, such as HCD 310-College Success.**

**\*\*If you don't place directly in ENGWR 300 (check your e-Services account), you will need to take ENGWR 80/ENGWR 300 combo course.**

### Semester 2

15 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MATH 401 <sup>+</sup>	Calculus II	5	
GE		Natural Sciences	3	IV
GE		American Institutions	3	VA
GE		Ethnic/Multicultural Studies	3	VI
Elec		*Elective	1	

**+Prerequisite for MATH 401:** Math 400 with a grade of "C" or better

\*Electives may include any courses numbered 100-499.

### Legend

- (H) - Honors
- Elec - Elective
- GE - General Education
- Maj - Required Core
- ME - Major Elective

### Disclaimer

Every effort has been made to ensure that what is listed in the SCC Program Paths are accurate. The courses, the course sequencing, and the programs are subject to change without notice by the administration of the Los Rios Community College District and Sacramento City College at the discretion of the district and Sacramento City College. Further, Sacramento City College reserves the right to amend any course or program.

**PLEASE SEE AN SCC COUNSELOR.**

### AA/AS Requirements

**Associate Degrees require the following:**

1. Completion of a minimum of 60 degree-applicable units with an overall grade point average (GPA) of 2.0 ("C" average). A minimum of 12 units must be completed at Sacramento City College.
2. Completion of each required course with a grade of "C" or better for a major offered at Sacramento City College.
3. Completion of Sacramento City College's general education requirements – Area I; Area II(a) and II(b); Area III(a) and III(b), or Area III(c); Area IV; Area V; and Area VI – with an overall 2.0 GPA.
4. Completion of all three competency requirements (reading, writing, and mathematics).

## Second Year

### Semester 3

17 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MATH 410 <sup>+</sup>	Introduction to Linear Algebra	3	
ME		*Major Elective	3	
GE		Social & Behavioral Sciences	3	VB
Maj	MATH 402 <sup>+</sup>	Calculus III	5	
Elec		**Elective	3	

**+Prerequisite for MATH 410, MATH 402:** Math 401 with a grade of "C" or better

\*Major Elective - A minimum of 3 units from the following: CISP 301, CISP 360, CISP 400, CISP 401, ENGR 405, PHIL 325, STAT 300 or STAT 480 (H).

\*\*Electives may include any courses numbered 300-499.

## Semester 4

14 Units

CAT.	COURSE	TITLE	UNIT	AA/AS GE
Maj	MATH 420 <sup>+</sup>	Differential Equations	4	
Elec		*Elective	3	
Elec		*Elective	3	
Elec		*Elective	3	
GE		Physical Education	1	IIIA

**+Prerequisite for MATH 420.** Math 401 with a grade of "C" or better

\*Electives may include any courses numbered 100-499.

Students with Advanced Placement (AP) and International Baccalaureate Credit (IB) test scores should notify their Counselor to learn more about how test scores may be used for credit.

*Exception: Students who possess a bachelor's (BA/BS) or higher degree from a college or university accredited through a regional accrediting agency recognized by the Council for Higher Education Accreditation (CHEA) are deemed to have satisfied both the general education and graduation competency requirements for an AA/AS degree. Degrees from accredited institutions outside of the US will be evaluated on a case-by-case basis.*

## Placement Information

Support courses required for English and Math per placement. **Check your e-Services account under "Academic Records" to determine your placements.**

## Important Links

[SCC General Counseling](#)

[Mathematics](#)

[Science, Math, & Engineering Meta Majors](#)