

Mathematics AS-T Pathway

Career Pathway: Science, Math, & Health

Program Description: The Associate in Science in Mathematics for Transfer degree prepares students who plan for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis, and operations research analysis.

* A grade of "C" or higher is required for ENG, MATH, COM, and all major courses.

Full Time 2-Year Plan	Course ID	Description	Units	To-Do List
Semester 1	STUDEV 001	College Success	3	Meet with your Advisor to confirm plans.
	ENG 001A*	Composition and Reading	3	
	NC 200 (if placement requires)	College Reading and Writing Preparedness	0	Begin research on four-year schools.
	HUM 001 or PHIL 001	Introduction to Western Culture or Introduction to Philosophy	3	Begin research on careers https://vitanavis.com/westhillscollege , https://www.onetonline.org/ and https://jobspeaker.com/ .
	MATH 001A*	Introduction to Calculus	5	
	STUDEV 002	Career Planning	1	
			15	
Semester 2	MATH 001B*	Calculus with Applications	5	Meet with your Counselor to discuss progress.
	ENG 003*	Critical Thinking and Writing	3	Meet with your Faculty Mentor to discuss program pathway, career options, & finalize classes in semesters 3 & 4.
	PHYSICS 004A	Classical Mechanics	4	
	COM 001* or COM 004*	Elements of Speech or Small Group Dynamics and Presentation	3	
			15	
Semester 3	MATH 002A*	Multivariate Calculus	4	Prepare documentation for college application.
	GEOG 003	Cultural Geography	3	
	POLSCI 001	American Government	3	Apply to four-year schools of choice.
	BIO 010 or BIO 015	Fundamentals of Biology or Biology for Education	3	
	HIST 017A or HIST 017B	History of the US 1492-1877 or History of the US 1865-Present	3	
			16	
Semester 4	MATH 025*	Introduction to Statistics	4	Petition to Graduate for Mathematics AS-T.
	ART 042 or MUS 042	Art Appreciation or Music Appreciation	3	
	MATH 002B*	Differential Equations	4	Meet with faculty mentor and counselor to discuss foreign language options
	ES 001	Introduction to Ethnic Studies	3	
			14	
Total Program Units			60	

Important:

- This is a recommended course sequence. Classes are subject to change based on the transfer university; check with your counselor to ensure you are enrolled in the correct classes. This does not guarantee admission to transfer institution.
- Summer can be used as an option as well.
- Students are recommended to complete English and Math in their 1st year.
- Completion of a Student Educational Plan does not register you for classes. You must register via Self-Service in your MyWestHills portal.
- You must coordinate your financial aid with the cost of classes above. It is the student's responsibility to ensure the financial aid process is complete in order for financial aid to cover the cost of tuition and fees incurred.
- Students who intend on receiving the Student Success Grant must be enrolled in a minimum of 15 units per semester.
- Students must "Petition to Graduate" during their last semester in order to receive their certificate or degree and be eligible to walk in the commencement ceremony. A grade of "C" or higher is required for ENG, MATH, COM, and all major courses.

Transfer Information:

- Students transferring to the University of California (UC) are required to demonstrate competence in a language other than English. This requirement may be demonstrated through one of the following methods: 1) 2 years of the same foreign language in high school with C-grades or higher, 2) completing formal schooling through 6th grade or higher at an institution where the language of instruction is not English or 3) completing ASL-002 or SPAN-002 (or higher) at WHCC with a grade of C or higher. Please consult with your counselor to see which method works best for you!
- Consult with counselor for minimum transfer GPA, course & major requirements.
- Fall admissions deadline for California State University (CSU) and University of California (UC) institutions is November 30th! Please check individual deadlines for all other universities.
- Apply to CSU at www.calstate.edu/apply. Apply for UC at admission.university.edu.

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Part Time 4-Year Plan	Course ID	Description	Units	To-Do List
Semester 1	STUDEV 001	College Success	3	Meet with your Advisor to confirm plans. Begin research on four-year schools.
	ENG 001A*	Composition and Reading	3	
	NC 200 (if placement requires)	College Reading and Writing Preparedness	0	
Semester 2	HUM 001 or PHIL 001	Introduction to Western Culture or Introduction to Philosophy	3	Begin research on careers https://vitanavis.com/westhillscollege , https://www.onetonline.org/ and https://jobspeaker.com/ .
	MATH 001A*	Introduction to Calculus	5	
	STUDEV 002	Career Planning	1	
			15	
Semester 3	MATH 001B*	Calculus with Applications	5	Meet with your Counselor to discuss progress.
	ENG 003*	Critical Thinking and Writing	3	
Semester 4	PHYSICS 004A	Classical Mechanics	4	Meet with your Faculty Mentor to discuss program pathway, career options, & finalize classes in semesters 3 & 4.
	COM 001* or COM 004*	Elements of Speech or Small Group Dynamics and Presentation	3	
			15	
Semester 5	MATH 002A*	Multivariate Calculus	4	Prepare documentation for college application.
	GEOG 003	Cultural Geography	3	
	POLSCI 001	American Government	3	
Semester 6	BIO 010 or BIO 015	Fundamentals of Biology or Biology for Education	3	Apply to four-year schools of choice. Begin seeking four-year funding outlets such as scholarships and aid.
	HIST 017A or HIST 017B	History of the US 1492-1877 or History of the US 1865-Present	3	
			16	
Semester 7	MATH 025*	Introduction to Statistics	4	Petition to Graduate for Mathematics AS-T.
	ART 042 or MUS 042	Art Appreciation or Music Appreciation	3	
Semester 8	MATH 002B*	Differential Equations	4	Meet with faculty mentor and counselor to discuss foreign language options
	ES 001	Introduction to Ethnic Studies	3	
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