Mathematics
Associate in Science for Transfer (using IGETC)

A major of 20-21 units is required for the degree.

Required core courses (17 units)

COURSE	TITLE	UNITS
☐ MATH 181	Calculus 1	4
☐ MATH 182	Calculus 2	4
☐ MATH 183	Multivariable Calculus	4
☐ MATH 184	Linear Algebra/Differential Equations	5

Select any course from the following (3-4 units)

COURSE	TITLE	UNITS
☐ CS 111	Fundamentals of Programming 1	4
☐ CS 161	Discrete Structures	3
☐ MATH 123	Elementary Statistics	4
☐ PHYS 161	Engineering Physics 1	4

General Education

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Suggested Course Sequence

The "Suggested Course Sequence" is an example of how to complete the requirements plus any additional general education that may be needed. If you would like to create a personalized Student Education Plan (SEP), schedule a meeting with a counselor.

This suggested plan assumes a student is eligible for MATH 181.

FALL SEMESTER (YEAR 1)

Course	Title	Units
☐ ENGL 101	Freshman Composition: Exposition	4
☐ MATH 181	Calculus 1	4
☐ STEM 100	Success Strategies in Science, Technology, Engineering and Mathematics (STEM)	1
☐ IGETC	Area 3A or 3B: Arts and Humanities	3
Total Units		12

Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library and tutoring
- Get involved with STEM
- Review Financial Aid Requirements
- Apply AHC Scholarship
- Apply for MESA/STEM
- Engage w/STEM Tutors

SPRING SEMESTER (YEAR 1)

Course	Title	Units
☐ MATH 182	Calculus 2	4
☐ ELECTIVE	MAJOR ELECTIVE	3-4
☐ IGETC	Area 3A: Arts	3
☐ IGETC	Area 4: Social and Behavioral Sciences	3
Total Units		13+

Tasks:

- Meet with a STEM Counselor
- Set up Jobspeaker
- Attend Career Exploration Day
- Attend a Transfer Workshop
- Apply for STEM Internships
- Apply for STEM Scholarships
- FAFSA or Dream Act due March 2
- Apply AHC Scholarship
- Get involved with STEM
- Engage w/STEM Tutors

SUMMER SEMESTER (YEAR 2)

Course	Title	Units
☐ IGETC	Area 1B: Critical Thinking	3
☐ ELECTIVE	100-LEVEL COURSE	3
Total Units		6

FALL SEMESTER (YEAR 2)

Course	Title	Units
☐ MATH 183	Multivariable Calculus	4
☐ IGETC	Area 1C (CSU Only): Oral Communication OR	3
☐ ELECTIVE	100-LEVEL COURSE	3
☐ IGETC	Area 3B: Humanities	3
☐ IGETC	Area 7: Ethnic Studies	3
☐ IGETC	Area 5A: Physical Science	3
Total Units		13

Tasks:

- Meet with a STEM Counselor
- Develop Resume at Career Center
- Apply for University Transfer
- Engage w/STEM Tutors
- Review Financial Aid Requirements
- Apply for AHC Scholarship
- Get involved with STEM

SPRING SEMESTER (YEAR 2)

Course	Title	Units
☐ MATH 184	Linear Algebra/Differential Equations	5
☐ IGETC	Area 5B: Biological Science	3
☐ IGETC	Area 4: Social and Behavioral Sciences	3
☐ ELECTIVE	STEM Pathways Elective	3+
Total Units		14+

Tasks:

- Apply for Degree with Counseling
- Utilize Job Search Resources
- Complete: Transfer next steps
- Apply for STEM Internships
- Get involved with STEM

ALLAN HANCOCK COLLEGE

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- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day
- Apply for STEM Scholarships
- Engage w/STEM Tutors