ALLAN HANCOCK COLLEGE

Program Requirements:

"Program Requirements" specify the courses required for this program. See suggested course sequence for additional information.

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 pathway is designed to meet transfer requirements in Aerospace Engineering at Cal Poly, SLO and earn a local AA degree in Engineering from AHC. It assumes students are entering AHC academically ready to enroll in CHEM 150 (General Chemistry) and MATH 181 (Calculus 1). If students are not academically ready for these courses, it is recommended that students enroll in the prior summer term to complete prerequisite courses or see a counselor for adjustment to the plan.

FALL SEMESTER (YEAR 1)

Course	Title	Units
☐ ENGL 101	Freshman Composition: Exposition	4
☐ ENGR 100	Introduction to Engineering	1
☐ MATH 181	Calculus 1	4
☐ IGETC/AHC GE	US History Government	3
Total Units		**12**

Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library and tutoring
- Get involved with STEM

- Review Financial Aid Req.
- Apply AHC Scholarship
- Apply for MESA/STEM
- Engage w/STEM Tutors

SPRING SEMESTER (YEAR 1)

Course	Title	Units
☐ CHEM 150	General Chemistry 1	5
☐ MATH 182	Calculus 2	4
☐ PHYS 110	Introductory Physics	3
☐ CSU GE	Area F: Ethnic Studies	3
Total Units		**15**

Tasks:

- Meet with a STEM Counselor
- Set up Jobspeaker
- Attend Career Exploration Day
- Apply for STEM Internships
- Apply for STEM Scholarships
- Engage w/STEM Tutors

- Complete the FAFSA or Dream Act by March 2
- Apply AHC Scholarship
- Attend a Transfer Workshop
- Get involved with STEM

SUMMER SEMESTER (YEAR 2)

Course	Title	Units

☐ ENGL 103	Critical Thinking and Composition	3
☐ IGETC/AHC GE	Social Science	3
Total Units		**6**

Tasks

FALL SEMESTER (YEAR 2)

Course	Title	Units
☐ BIOL 100	Introductory Biology	4
☐ MATH 183	Multivariable Calculus	4
☐ PHYS 161	Engineering Physics 1	4
☐ AHC Grad Req	Dance or Physical Activity	.5-3
Total Units		**13**

Tasks:

- Meet with a STEM Counselor
- Review Financial Aid Requirements
- Engage w/STEM Tutors

- Apply for AHC Scholarship
- Get involved with STEM

SPRING SEMESTER (YEAR 2)

Course	Title	Units
☐ ENGR 126	MATLAB for Science and Engineering	1
☐ MATH 184	Linear Algebra/Differential Equations	5
☐ PHYS 162	Engineering Physics 2	4
☐ COMM 101	Public Speaking	3
Total Units		**13**

Tasks:

- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day
- Get involved with STEM
- Apply for STEM Scholarships

- Meet with a STEM Counselor
- Engage w/STEM Tutors
- Apply for STEM Internships

SUMMER SEMESTER (YEAR 3)

Course	Title	Units
☐ Internship	Internship recommended	0
Total Units		0

FALL SEMESTER (YEAR 3)

Course	Title	Units
☐ ENGR 152	Statics	3
☐ ENGR 161	Materials Science	3
☐ ENGR 162	Materials Science Lab	1
☐ HED 100	Social and Personal Health and Wellness	3
☐ PHYS 163	Engineering Physics 3	4
Total Units		14.0

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 3)

Course	Title	Units
☐ ENGR 154	Dynamics	3
☐ ENGR 156	Strength of Materials	4
☐ ENGR 170	Electric Circuit Analysis	3
☐ ENGR 171	Electric Circuit Lab	1
☐ IGETC/AHC GE	Humanities/Multicultural Course	3
Total Units		13

Tasks:

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

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