

**Program Requirements:**

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

**A major of 25 units is required for the associate in arts degree. Required core courses (21 units):**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> MATH 183	Multivariable Calculus	4
<input type="checkbox"/> MATH 184	Linear Algebra/Differential Equations	5
<input type="checkbox"/> PHYS 161	Engineering Physics 1	4

**Plus 4 units selected from the following:**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<input type="checkbox"/> PHYS 162	Engineering Physics 2	4
<input type="checkbox"/> PHYS 163	Engineering Physics 3	4

## 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 and PHYS 161.

### FALL SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> CS 111	Fundamentals of Programming 1	4
<input type="checkbox"/> ENGL 101	Freshman Composition: Exposition	4
<input type="checkbox"/> MATH 181	Calculus 1	4
<input type="checkbox"/> STEM 100	Success Strategies in Science, Technology, Engineering and Mathematics (STEM)	1
<b>Total Units</b>		<b>13</b>

#### Tasks:

- Complete Career Exploration
- Meet with Counselor (SEP)
- Visit library & tutoring
- Review Financial Aid Req.
- Apply AHC Scholarship

### SPRING SEMESTER (YEAR 1)

Course	Title	Units
<input type="checkbox"/> MATH 182	Calculus 2	4
<input type="checkbox"/> PHYS 161	Engineering Physics 1	4
<input type="checkbox"/> AHC GE REQ	Category 2B: American History or Government	3
<input type="checkbox"/> AHC GE REQ	Category 5: Living Skills	3
<b>Total Units</b>		<b>14</b>

#### Tasks:

- Set up Jobspeaker
- Attend Career Exploration Day
- Complete the FAFSA or Dream Act by March 2
- Apply AHC Scholarship

### SUMMER SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> AHC Grad Req	Dance or Physical Activity	.5-3
<input type="checkbox"/> ELECTIVE	100-LEVEL COURSE	3
<b>Total Units</b>		<b>4+</b>

### FALL SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> MATH 183	Multivariable Calculus	4
<input type="checkbox"/> PHYS 163	Engineering Physics 3	4
<input type="checkbox"/> AHC GE REQ	Category 3: Humanities	3
<input type="checkbox"/> ELECTIVE	100-LEVEL COURSE	3
<b>Total Units</b>		<b>14+</b>

#### Tasks:

- Meet with a Transfer Counselor
- Develop Resume at Career Center
- Review Financial Aid Requirements
- Apply for AHC Scholarship

### SPRING SEMESTER (YEAR 2)

Course	Title	Units
<input type="checkbox"/> MATH 184	Linear Algebra/Differential Equations	5
<input type="checkbox"/> AHC GE REQ	Category 1: Natural Science	3-4
<input type="checkbox"/> AHC GE REQ	Category 2A: Social Sciences	3
<input type="checkbox"/> AHC Grad Req	Multicultural and Gender Studies	3
<b>Total Units</b>		<b>14+</b>

#### Tasks:

- Apply for Degree with Counseling
- Utilize Job Search Resources
- Complete FAFSA or Dream Act by March 2
- Attend Job Fair/Career Exploration Day