



## Mathematics with Computer Science Emphasis Associate in Arts

### **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 suggested plan assumes a student is eligible for MATH 181.**

| 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 and tutoring
- Review Financial Aid Req.
- Apply AHC Scholarship

| SPRING SEMESTER (YEAR 1)            |   |           |
|-------------------------------------|---|-----------|
| Course                              | Title   | Units     |
| <input type="checkbox"/> CS 161     | Discrete Structures                           | 3         |
| <input type="checkbox"/> MATH 182   | Calculus 2                                    | 4         |
| <input type="checkbox"/> AHC GE REQ | Area 4B: United States History and Government | 3         |
| <input type="checkbox"/> AHC GE REQ | Area 1B: Oral Comm. and Critical Thinking     | 3         |
| <input type="checkbox"/> HED 100    | Social and Personal Health and Wellness       | 3         |
| <b>Total Units</b>                  |   | <b>16</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            |
| <input type="checkbox"/> ELECTIVE     | 100-LEVEL COURSE           | 3            |
| <b>Total Units</b>                    |                            | <b>3.5-6</b> |

| FALL SEMESTER (YEAR 2)              |                             |           |
|-------------------------------------|-----------------------------|-----------|
| Course                              | Title                       | Units     |
| <input type="checkbox"/> MATH 183   | Multivariable Calculus      | 4         |
| <input type="checkbox"/> AHC GE REQ | Area 3: Arts and Humanities | 3         |
| <input type="checkbox"/> ELECTIVE   | 100-LEVEL COURSE            | 3         |
| <input type="checkbox"/> AHC GE Req | Area 6: Ethnic Studies      | 3         |
| <b>Total Units</b>                  |                             | <b>13</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 | Area 5: Natural Science                 | 3-4          |
| <input type="checkbox"/> AHC GE REQ | Area 4A: Social and Behavioral Sciences | 3            |
| <input type="checkbox"/> ELECTIVE   | 100-LEVEL COURSE                        | 3            |
| <b>Total Units</b>                  |   | <b>14-15</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