

**PRE-MEDICAL TECHNOLOGY**  
Associate in Science (AS) Degree

**Minimum Credits: 60.0**  
**Contact Hours: 79.0**

**INTRODUCTION:** This is a suggested program of study which may be altered to meet individual goals and transfer plans. Students should refer to the description of Alpena Community College graduation requirements and AS degree distribution requirements and consult with an academic advisor concerning specific course selection. A minimum total of 60 credits is required for the Associate in Science degree.

**GENERAL EDUCATION COURSES ( MEETS GRADUATION REQUIREMENTS AND MTA )**

| COURSE  | TITLE   | CREDITS    | CONTACT HOURS |
|---|---|------------|---------------|
| ENG 111 or ENG 121                              | English Composition I or Advanced English Composition I   | 3.0        | 3.0           |
| ENG 112 or ENG 122                              | English Composition II or Advanced English Composition II | 3.0        | 3.0           |
| MTH 122   | Plane Trigonometry  | 4.0        | 4.0           |
| PLS 221 or PLS 222 or HST 221 & HST 222         | American Government Requirement                           | 3.0-6.0    | 3.0-6.0       |
|   | Humanities/Fine Arts & Social Science Requirement         | 3.0-4.0    | 4.0-5.0       |
| CEM 121   | General & Inorganic Chemistry                             | 4.0        | 7.0           |
| BIO 210   | Introduction to Botany                                    | <u>4.0</u> | <u>6.0</u>    |
| <b>GENERAL EDUCATION CREDITS/CONTACT HOURS:</b> |   | 24.0-28.0  | 30.0-34.0     |

**CORE PROGRAM COURSES ( MEET WITH ACADEMIC ADVISOR TO DETERMINE CORE PROGRAM COURSES FOR CONCENTRATION AND TRANSFER )**

| COURSE                                     | TITLE                         | CREDITS    | CONTACT HOURS |
|--|-------------------------------|------------|---------------|
| BIO 201                                    | Human Anatomy                 | 4.0        | 5.0           |
| BIO 211                                    | General Zoology               | 4.0        | 5.0           |
| CEM 122                                    | General & Inorganic Chemistry | 4.0        | 7.0           |
| CEM 221                                    | Organic Chemistry             | 4.0        | 6.0           |
| CEM 222                                    | Organic Chemistry             | 4.0        | 6.0           |
| MTH 123                                    | College Algebra               | 4.0        | 4.0           |
| PHY 121                                    | General College Physics       | 4.0        | 6.0           |
| PHY 122                                    | General College Physics       | <u>4.0</u> | <u>6.0</u>    |
| <b>CORE PROGRAM CREDITS/CONTACT HOURS:</b> |                               | 32.0       | 43.0          |

**SUGGESTED ELECTIVES ( MEET WITH ACADEMIC ADVISOR TO DETERMINE ELECTIVES FOR CONCENTRATION AND TRANSFER )**

Electives will change depending on area of concentration and the specific 4-year transfer institution's requirements. Consult your ACC academic advisor.

**TOTAL MINIMUM PROGRAM CREDITS/CONTACT HOURS:** 60.0 79.0

| SUGGESTED SEQUENCING OF COURSES                 |            |             |   |            |             |
|---|------------|-------------|---|------------|-------------|
| YEAR 1 (FALL SEMESTER) <u>14.0</u> CREDITS      | CREDITS    | CONTACT HRS | YEAR 1 (SPRING SEMESTER) <u>15.0</u> CREDITS      | CREDITS    | CONTACT HRS |
| ENG 111 or ENG 121 English Comp                 | 3.0        | 3.0         | ENG 112 or ENG 122 English Comp                   | 3.0        | 3.0         |
| CEM 121 General & Inorganic Chemistry           | 4.0        | 7.0         | MTH 123 College Algebra                           | 4.0        | 4.0         |
| BIO 210 Introduction to Botany                  | 4.0        | 6.0         | BIO 211 General Zoology                           | 4.0        | 5.0         |
| MTH 122 Plane Trigonometry                      | <u>3.0</u> | <u>3.0</u>  | CEM 122 General & Inorganic Chemistry             | <u>4.0</u> | <u>7.0</u>  |
| TOTAL   | 14.0       | 19.0        | TOTAL   | 15.0       | 19.0        |
| YEAR 2 (FALL SEMESTER) <u>15.0-18.0</u> CREDITS | CREDITS    | CONTACT HRS | YEAR 2 (SPRING SEMESTER) <u>14.0-15.0</u> CREDITS | CREDITS    | CONTACT HRS |
| American Government Requirement                 | 3.0-6.0    | 3.0-6.0     | CEM 222 Organic Chemistry                         | 4.0        | 6.0         |
| BIO 201 Human Anatomy                           | 4.0        | 5.0         | PHY 122 General College Physics                   | 4.0        | 6.0         |
| CEM 221 Organic Chemistry                       | 4.0        | 6.0         | Humanities/Fine Arts/Social Science Req           | 3.0-4.0    | 4.0-5.0     |
| PHY 121 General College Physics                 | <u>4.0</u> | <u>6.0</u>  | Elective  | <u>3.0</u> | <u>3.0</u>  |
| TOTAL   | 15.0       | 20.0-23.0   | TOTAL   | 14.0-15.0  | 19.0-20.0   |

**NOTES:**

See information on cooperative 2+2 program in medical technology with Ferris State University.