



| DEGREE SHEET / 2016-2017 CATALOG | | |
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| Student name: | | |
| Eagle ID: | | |
| Eagle Email: | | |
| Phone: | | |
| <p>ASSOCIATES OF SCIENCE (AS) CHEMISTRY</p> <p>This program is designed to complement training for full-time employment or for students seeking such employment. You may use this program in planning to transfer to related academic programs.</p> | | |
| GENERAL EDUCATION REQUIREMENTS (38 Credits) | SEMESTER | GRADE |
| AREA I: COMMUNICATIONS (9 Credits) | | |
| ENG 111 Composition I (3) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i> | | |
| SPCH 130 Public Speaking (3) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i> | | |
| AREA II: MATHEMATICS (3 Credits) | | |
| MATH 150 College Algebra (3) <i>Pre-requisite: Math 130 or adequate score on the Course Placement Evaluation</i> | | |
| AREA III: LABORATORY SCIENCES (8 Credits) | | |
| CHEM 110/L Introduction to Chemistry with Lab (4) <i>Pre-requisites: MATH 102 and ENG 109</i> | | |
| Take one of the following: | | |
| ES 112/L Introduction to Environmental Science with Lab (4) <i>Pre-requisite: None</i> | | |
| BIOL 110/L Current Topics in Biology with Lab (4) <i>Pre-requisite: ENG 109 or adequate score on Course Placement Evaluation</i> | | |
| AREA IV: SOCIAL/BEHAVIORAL SCIENCES (6 - 9 Credits) <i>Students must complete a minimum of 15 credit hours spread between areas IV and V.</i> | | |
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| AREA V: HUMANITIES AND FINE ARTS (6 - 9 Credits) <i>Students must complete a minimum of 15 credit hours spread between areas IV and V.</i> | | |
| PHIL 220 Ethics (3) <i>Pre-requisite: None</i> | | |
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| AREA VI: FIRST YEAR EXPERIENCE (3 Credits) | | |
| FYE 101 First Year Experience (3) <i>Pre-requisite: Freshman Standing Only</i> | | |
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| PROGRAM REQUIREMENTS (24 Credits) | | |
| CHEM 121/L General Chemistry I with Lab (4) <i>Pre-requisites: MATH 130, high school chemistry, or ACT score of 19 or higher in natural science and ENG 111</i> | | |
| CHEM 122/L General Chemistry II with Lab (4) <i>Pre-requisite: CHEM 121/L</i> | | |
| CHEM 210/L Integrated Organic and Biochemistry with Lab (4) <i>Pre-requisite: CHEM 121/L</i> | | |
| CHEM 301/L Organic Chemistry I with Lab (4) <i>Pre-requisite: CHEM 122/L</i> | | |
| CHEM 302/L Organic Chemistry II with Lab (4) <i>Pre-requisite: CHEM 301/L</i> | | |
| CHEM 421/L Biochemistry with Lab (4) <i>Pre-requisites: CHEM 301/L, 302/L, and 311/L</i> | | |
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| TOTAL CREDITS 62 | | |
| ADVISOR APPROVAL | DATE | |

SUGGESTED SEQUENCE OF COURSES

FIRST SEMESTER (14 Credits)

ENG 111 English Composition I (3)
CHEM 110/L Introduction to Chemistry with Lab (4)
FYE 101 First Year Experience (3)
ES 112/L Introduction to Environmental Science with Lab (4)
OR
BIOL 110/L Current Topics in Biology with Lab (4)

SECOND SEMESTER (16 Credits)

CHEM 121/L General Chemistry I with Lab (4)
PHIL 220 Ethics (3)
SPCH 130 Public Speaking (3)
AREA V Humanities and Fine Arts (3)
AREA IV Social and Behavioral Science (3)

THIRD SEMESTER (14 Credits)

CHEM 122/L General Chemistry II with Lab (4)
CHEM 210/L Integrated Organic and Biochemistry (4)
AREA VI Social and Behavioral Science (3)
MATH 150 College Algebra (3)

FOURTH SEMESTER (10 Credits)

CHEM 301/L Organic Chemistry I with Lab (4)
AREA IV or V Social and Behavioral Sciences or Humanities and Fine Arts (3)
AREA I Communication (3)

FIFTH SEMESTER (4 Credits)

CHEM 302/L Organic Chemistry II with Lab (4)

SIXTH SEMESTER (4 Credits)

CHEM 421/L Biochemistry with Lab (4)

EDUCATIONAL PLANNING FORM (Semester)

| | | |
|----------------------|------------------------|--------------------|
| FALL SEMESTER | SPRING SEMESTER | SUMMER |
| | | |
| Total Units | Total Units | Total Units |
| FALL SEMESTER | SPRING SEMESTER | SUMMER |
| | | |
| Total Units | Total Units | Total Units |
| FALL SEMESTER | SPRING SEMESTER | SUMMER |
| | | |
| Total Units | Total Units | Total Units |
| FALL SEMESTER | SPRING SEMESTER | SUMMER |
| | | |
| Total Units | Total Units | Total Units |