



<b>DEGREE SHEET / 2016-2017 CATALOG</b>		
Student name:		
Eagle ID:		
Eagle Email:		
Phone:		
<p><b>ASSOCIATES OF SCIENCE (AS) CHEMISTRY</b></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>		
<b>GENERAL EDUCATION REQUIREMENTS (38 Credits)</b>	<b>SEMESTER</b>	<b>GRADE</b>
<b>AREA I: COMMUNICATIONS (9 Credits)</b>		
ENG 111 English 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>		
<b>AREA II: MATHEMATICS (3 Credits)</b>		
MATH 150 College Algebra (3) <i>Pre-requisite: Math 130 or adequate score on the Course Placement Evaluation</i>		
<b>AREA III: LABORATORY SCIENCES (8 Credits)</b>		
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>		
<b>AREA IV: SOCIAL/BEHAVIORAL SCIENCES (6 - 9 Credits)</b> <i>Students must complete a minimum of 15 credit hours spread between areas IV and V.</i>		

<b>AREA V: HUMANITIES AND FINE ARTS (6 - 9 Credits)</b> <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>		
<b>AREA VI: FIRST YEAR EXPERIENCE (3 Credits)</b>		
FYE 101 First Year Experience (3) <i>Pre-requisite: ENG 108</i>		
<b>PROGRAM REQUIREMENTS (24 Credits)</b>		
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>		
<b>TOTAL CREDITS 62</b>		
<b>ADVISOR APPROVAL</b>	<b>DATE</b>	

## 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)

<b>FALL SEMESTER</b>	<b>SPRING SEMESTER</b>	<b>SUMMER</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>
<b>FALL SEMESTER</b>	<b>SPRING SEMESTER</b>	<b>SUMMER</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>
<b>FALL SEMESTER</b>	<b>SPRING SEMESTER</b>	<b>SUMMER</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>
<b>FALL SEMESTER</b>	<b>SPRING SEMESTER</b>	<b>SUMMER</b>
<b>Total Units</b>	<b>Total Units</b>	<b>Total Units</b>