



<b>DEGREE SHEET / 2016-2017 CATALOG</b>		
Student name:		
Eagle ID:		
Eagle Email:		
Phone:		
<b>ASSOCIATES OF APPLIED SCIENCE (AAS) RADIATION PROTECTION</b>		
<p>This program is designed to prepare you for a career as a Radiation Protection Technician in environmental programs and scientific laboratories. The program prepares you to conduct radiation surveys, interpret survey data, assess personal protection requirements, and instruct personnel in appropriate protective procedures and environmental clean-up.</p>		
<b>GENERAL EDUCATION REQUIREMENTS (33 Credits)</b>	<b>SEMESTER</b>	<b>GRADE</b>
<b>AREA I: COMMUNICATIONS (6 Credits)</b>		
ENG 111 English Composition I (3) <i>Pre-requisite: ENG 109 or adequate score on the Course Placement Evaluation</i>		
ENG 116 Technical Writing (3) <i>Pre-requisite: ENG 111</i>		
<b>AREA II: MATHEMATICS (10 Credits)</b>		
MATH 130 Intermediate Algebra (4) <i>Pre-requisite: Math 102N</i>		
MATH 145 Introduction to Probability and Statistics (3) <i>Pre-requisite: Math 130</i>		
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>		
ES 112/L Introduction to Environmental Science with Lab (4) <i>Pre-requisite: None</i>		
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>		
<b>AREA IV: SOCIAL/BEHAVIORAL SCIENCES (3 Credits)</b>		
<b>AREA V: HUMANITIES AND FINE ARTS (3 Credits)</b>		

<b>AREA VI: FIRST YEAR EXPERIENCE (3 Credits)</b>		
FYE 101 First Year Experience (3) <i>Pre-requisite: ENG 108</i>		
<b>PROGRAM REQUIREMENTS (38 Credits)</b>		
BCIS 102 Computer Literacy (3) <i>Pre-requisite: None</i>		
CHEM 122/L General Chemistry II with Lab (4) <i>Pre-requisite: CHEM 121/L</i>		
PHYS 121/L Applied Physics I with Lab (4) <i>Pre-requisite: Math 130</i>		
BIOL 201/L Introduction to Molecular and Cell Biology with Lab (4) <i>Pre-requisites: ENG 111 and CHEM 121/L</i>		
BIOL 202/L Principles of Genetics with Lab (4) <i>Pre-requisite: BIOL 201/L</i>		
RDPR 233 Radiation Biology (3) <i>Pre-requisite: Permission of Instructor</i>		
RDPR 234 Introduction to Radiation Science and Technology (4) <i>Pre-requisite: Permission of Instructor</i>		
RDPR 238 Introduction to Radiation Protection (4) <i>Pre-requisite: Permission of Instructor</i>		
RDPR 242 Problems in Radiation Protection (4) <i>Pre-requisite: Permission of Instructor</i>		
RDPR 243 Practical Radiological Programs and Sampling Methods (4) <i>Pre-requisite: Permission of Instructor</i>		
<b>TOTAL CREDITS 71</b>		
<b>ADVISOR APPROVAL</b>	<b>DATE</b>	

## SUGGESTED SEQUENCE OF COURSES

### **FIRST SEMESTER (17 Credits)**

ENG 111 English Composition I (3)  
CHEM 121/L General Chemistry I with Lab (4)  
FYE 101 First Year Experience (3)  
RDPR 233 Radiation Biology (3)  
RDPR 234 Introduction to Radiation Science & Technology (4)

### **SECOND SEMESTER (18 Credits)**

ENG 116 Technical Writing (3)  
AREA VI Social and Behavioral Science (3)  
MATH 130 Intermediate Algebra (4)  
RDPR 238 Introduction to Radiation Protection (4)  
RDPR 242 Problems in Radiation Protection (4)

### **THIRD SEMESTER (17 Credits)**

CHEM 122/L General Chemistry II with Lab (4)  
BIOL 201/L Principles of Molecular Biology (4)  
AREA V Humanities and Fine Arts (3)  
MATH 150 College Algebra (3)  
BCIS 102 Computer Literacy (3)

### **FOURTH SEMESTER (15 Credits)**

MATH 145 Introduction to Probability and Statistics (3)  
PHYS 121/L Applied Physics I with Lab (4)  
BIOL 202/L Genetics with Lab (4)  
RDPR 243 Practical Radiological Programs and Sampling Methods (4)

### **FIFTH SEMESTER (4 Credits)**

ES 112/L Introduction to Environmental Sciences 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>
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