

## Environmental Science – Associate in Applied Science (ENSC.AAS)

The Environmental Science Associate of Applied Science degree prepares students to transfer to, or enroll in, four-year institutions as science majors. People that enter the environmental sciences can expect positions in water quality testing; ecological testing; laboratory science; natural resources and conservation; environmental engineering; renewable energy; outdoor and environmental education; environmental law, policy and regulation; environmental advocacy; international environmental science; environmental science in higher education, environmental management and administration; public relations and communications.

*Minimum credits: 60*

*Minimum cumulative GPA: 2.0*

*Minimum grade in all courses: 2.0*

*Minimum Jackson College credits: 15*

### GENERAL EDUCATION REQUIREMENTS (26-29 CREDITS)

#### **GEO 1: Write clearly, concisely and intelligibly (6 credits)**

**Take the following:**

ENG 131 Writing Experience I

**Choose one of the following:**

ENG 132 Writing Experience II

ENG 201 Advanced Composition

ENG 232 Technical & Business Writing

#### **GEO 2: Recognize the importance of equity and inclusion in a diverse society (3 credits)\*\***

**Choose one of the following:**

ANT 131 Cultural Anthropology

#### **GEO 3: Demonstrate computational skills and mathematical reasoning (4-5 credits)**

**Choose one of the following:**

MAT 133 Introduction to Probability & Statistics

MAT 141 Pre-Calculus

MAT 151 Calculus I

MAT 154 Calculus II

#### **GEO 4: Demonstrate scientific reasoning (4 credits)**

**Take the following:**

BIO 158 Environmental Science

**GEO 5: Understand human behavior and social systems, and the principles which govern them  
(3-4 credits)**

**Choose one of the following:**

ECN	231	Macroeconomics
ECN	232	Microeconomics
HIS	131	Western Civilization to 1555
HIS	132	Western Civilization 1555 to Present
HIS	231	Development of the US through the Civil War
HIS	232	Development of the US from the Civil War
HIS	235	20th Century History
PLS	141	American National Government
PSY	140	Introduction to Psychology
PSY	152	Social Psychology
PSY	245	Infancy and Childhood
PSY	251	Abnormal Psychology
PSY	290	Human Sexuality
SOC	152	Social Psychology
SOC	231	Principles of Sociology

**GEO 6: Identify artistic, linguistic, and theoretical perspectives across the human experience  
(3 credits)**

**Choose one of the following:**

ART	111	Art History: Prehistoric to 1400
ART	112	Art History: Renaissance to Present
ENG	210	Film in Literature
ENG	246	Short Story & Novel
ENG	247	Poetry & Drama
ENG	249	African-American Literature
ENG	252	Shakespeare
ENG	254	Children's Literature
ENG	255	American Literature – 19th Century
ENG	256	American Literature – 20th Century
ENG	261	Creative Writing
HUM	131	Cultural Connections
MUS	130	Music of Non-Western Cultures
MUS	131	Understanding Music
MUS	132	History of American Popular Music
MUS	151	Music Theory I
MUS	152	Music Theory II
PHL	231	Introduction to Philosophy
PHL	243	World Religions
SPN	131	Elementary Spanish I
SPN	132	Elementary Spanish II
SPN	231	Intermediate Spanish I
SPN	232	Intermediate Spanish II
THR	116	Introduction to Theatre
WRL	102	Portuguese Conversation I

WRL	103	Portuguese Conversation II
WRL	104	Mandarin I
WRL	105	Mandarin II

## ENVIRONMENTAL SCIENCE CORE REQUIREMENTS (23-26 CREDITS)

### Take the following (8 credits):

BIO	258	Field Ecology
PHL	236	Ethics

### Choose two of the following, depending on professional goals or transfer institution requirements:

BIO	220	Microbiology
GEL	109	Earth Science
GEL	160	Introduction to Geology
GEO	131	Physical Geography
NSC	140	Contemporary Climate Science
BIO	140	Public Health and Disease

### Choose two from the following, depending on professional goals or transfer institution requirements:

BIO	161	General Biology I
BIO	162	General Biology II
CEM	141	General Chemistry I

## ENVIRONMENTAL SCIENCE ELECTIVES (8-11 credits)

### Choose from the following:

ALT	200	Principles of Alternative Energy
ART	103	Drawing I
ART	205	Drawing II
ART	121	Ceramics I
ART	152	Painting I: Design & Color
ART	240	Printmaking
BUA	121	Leadership
CIS	137	Digital Photography I OR
ART	137	Digital Photography I
CIS	237	Digital Photography II OR
ART	237	Digital Photography II
CIS	201	Advanced Information Technologies
COM	231	Communication Fundamentals
COM	233	Argumentation & Debate
ECN	231	Macroeconomics
ECN	232	Microeconomics
EDU	100	Pre-teaching Pathway
EDU	221	Exploring Teaching
EGR	153	Engineering Drawing
HOC	110	Advanced First Aid & American Heart CPR
ENG	261	Creative Writing

MAT	251	Calculus III
PHL	232	Logic
PHL	243	World Religions
STM	101	Sustainability