

# BACHELOR OF SCIENCE WITH ENVIRONMENTAL SCIENCE MAJOR

## Bachelor of Science with an Environmental Science Major Curriculum

### First-Year Gateway Experience

GFCL 100	Global Foundations of Character and Leadership
GFOB 100	Global Foundations of Organizations and Business
WRIT 106	Writing Workshop
IDEA 101	Bryant IDEA: Innovation and Design Experience For All

### Environmental Science Major Requirements

#### Level 1 - Required Core Courses

SCI 251 & SCI L251	Biology I Principles of Biology and Biology I Laboratory
SCI 265 & SCI L265	Chemistry I Introductory Chemistry and Chemistry I Laboratory
SCI 264	Physics I Introductory Physics
SCI 253	Biology II Organismal Biology
SCI 267	Chemistry II Chemical Systems

Choose one of the following labs

SCI L253	Biology II Laboratory
SCI L267	Chemistry II Laboratory

Choose 1

SCI 262	Physical Geology
SCI 266	Oceanography
SCI 268	Introduction to Environmental Science and Sustainability
SCI 287	Weather and Natural Disasters

#### Levels 2 and 3 Required Courses

SCI 390	Research Methods in Science
SCI 463	Issues in Environmental Science

Choose one of the following tracks

#### Environmental Health and Toxicology

##### Level 2 Track Required Courses

SCI 351 & SCI L351	Ecology and Ecology Laboratory
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##### Level 2 and 3 Track Recommended Courses

##### Level 2 - Choose 1 (labs are strongly recommended)

SCI 363 & SCI L363	Genetics and Genetics Laboratory
SCI 365 & SCI L365	Organic Chemistry I and Organic Chemistry I Laboratory
SCI 377 & SCI L377	Microbiology and Microbiology Laboratory

##### Level 3 (choose 1)

SCI 457	Environmental Toxicology and Risk Assessment
SCI 466	Global Health Challenges
SCI 473	Computer Programming for the Sciences
SCI 490	Research Directed Study in Science

#### Environmental Management and Sustainability Track

##### Level 2 (choose 2 including 1 lab)

SCI 355 & SCI L355	Energy Management Strategies and Energy Management Strategies Lab
SCI 366	Coastal Environments
SCI 371 & SCI L371	Human Impact on Land and Life and Human Impact on Land and Life Laboratory
SCI 372 & SCI L372	Sustaining Air and Water and Sustaining Air and Water Laboratory
SCI 376 & SCI L376	GIS for Environmental Decision Making and GIS for Environmental Decision Making Laboratory

##### Level 3 (choose 1)

SCI 455	Environmental Policy: Decision Making and Problem Solving
SCI 473	Computer Programming for the Sciences
SCI 490	Research Directed Study in Science

#### Liberal Arts Requirements

ECO 113	Microeconomic Principles
ECO 114	Macroeconomic Principles
LCS 121	Introduction to Literary Studies
MATH 121	Calculus and Analytic Geometry I
MATH 122	Calculus and Analytic Geometry II
MATH 201	Statistics I
Two Humanities Survey Courses	

#### Liberal Arts Distributions - Modes of Thought <sup>1</sup>

Two Social Science Modes of Thought	
One Historical Mode of Thought (Upper Division)	
One Literary Mode of Thought (Upper Division)	
Two Scientific Modes of Thought <sup>2</sup>	

#### Business Minor Requirement

Selection is made from a variety of business minors (Business Administration, Entrepreneurship, Finance, Global Supply Chain Management, Human Resource Management, Information Systems, International Business, Management, Marketing, Marketing Analytics, and Sales).

#### Electives

Subject to programmatic constraints, students may elect to take additional business courses beyond the required minor, not to exceed a combined total of 30 credit hours in the College of Business.

<sup>1</sup> Modes of Thought requirements can be met by appropriate courses in the major.

<sup>2</sup> Include One Lab Science. One science course must be taken at the 300 or 400 level.

A minimum 122 credit hours required for graduation