## Institute of Environmental Sustainability

### B.S. Environmental Science

<table>
<thead>
<tr>
<th>Hours req.</th>
<th>Requirement Description</th>
<th>Course</th>
<th>Grade</th>
<th>Semester/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. ENVS Core (46 credit hours)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ENVS 137: Foundations of Environmental Science I</td>
<td>ENVS 137</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BIOL 101: General Biology I</td>
<td>BIOL 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>BIOL 111: General Biology I Lab</td>
<td>BIOL 111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CHEM 101: General Chemistry</td>
<td>CHEM 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CHEM 111: General Chemistry Lab</td>
<td>CHEM 111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BIOL 102: General Biology II</td>
<td>BIOL 102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>BIOL 112: General Biology II Lab</td>
<td>BIOL 112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>CHEM 102: General Chemistry II</td>
<td>CHEM 102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>CHEM 112: General Chemistry II Lab</td>
<td>CHEM 112</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>ENVS 200: Environmental Careers and Professional Skills</td>
<td>ENVS 200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>ENVS 203 Environmental Statistics</td>
<td>ENVS 203</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Choose one: ENVS 274: Chemistry of the Environment -or- CHEM 312: Environmental Chemistry**

**Choose one: ENVS 275: Chemistry of the Environment Lab -or- CHEM 313: Environmental Chemistry Lab**

| 3 | ENVS 280: Principles of Ecology | ENVS 280 | | |
| 1 | ENVS 286a: Principles of Ecology Lab | ENVS 286a | | |

**Choose one: ENVS 284 Env. Justice -or- PHIL 287 Env. Ethics -or- THEO 204 Rel. Ethics/Eco Crisis**

**Choose one: ENVS 335: Ecological Economics -or- ECON 328: Environmental Economics (ECON 201 = Prerequisite)**

| 3 | PLSC 392: Environmental Politics | PLSC 392 | | |

**Engaged Learning, Choose one: ENVS 226 -or- ENVS 227r -or- ENVS 267 -or- ENVS 273 -or- ENVS 281v -or- ENVS 283 -or- ENVS 340 -or- ENVS 345 -or- ENVS 350a -or- ENVS 350b -or- ENVS 350c -or- ENVS 350f -or- ENVS 369 -or- ENVS 391 -or- ENVS 395 -or- any Approved ENVS Engaged Learning course**

**Capstone, Choose one: ENVS 390: Integrative Environmental Seminar -or- ENVS 391c -or- ENVS 395c**

| **B. Society, Ethics, and Justice (3 credit hours)** | | | |
| 1 | One elective from menu B | | |

| **C. Policy, Economics and Resource Management (3 credit hours)** | | | |
| 1 | One elective from menu C | | |

| **D. Environmental Science Courses (15 credit hours)** | | | |
| 3 | One elective from menu D | | |
| 3 | One elective from menu D | | |
| 3 | 300-Level from menu D | | |
| 3 | 300-Level from menu D | | |
| 3 | 300-Level from menu D | | |

Transfer-Student Residency Requirement: At least 34 credit hours of EVSC-BS courses must be completed at Loyola.

### B: Society, Ethics, and Justice-CHOOSE ONE

- **ENVS 204: Gender, Health & Environment**
- **ENVS 260: Environmental Journalism**
- **ENVS 279: Climate and History**
- **ENVS 284: Environmental Justice**
- **ENVS 297: N American Environmental History**
- **ENVS 298: Special Topics**
- **ENVS 338: Climate Change and Human Health**
- **ENVS 350a: STEP: Water**
- **ENVS 350b: STEP: Biogas**
- **ENVS 350c: STEP: Climate Action**
- **ENVS 350f: STEP: Food Systems**
- **ENVS 383: Human Dimensions in Conservation**
- **ENVS 391: Independent Environmental Research**
- **ENVS 395: Environmental Internship**
- **ENVS 398: Special Topics**
- **ENVS 399: Directed Readings**
- **COMM 101: Public Speaking & Critical Thinking**
- **COMM 277: Organizational Communication**
- **COMM 306: Environmental Advocacy**
- **COMM 322: Guerrilla Media**
- **ENGL 288: Nature in Literature**
- **HIST 300: Topics**
- **PHIL 287: Environmental Ethics**
- **PSYC 277: Environmental Psychology**
- **SOCL 226: Sci, Tech, and Society**
- **SOCL 252: Global Inequities**
- **SOCL 272: Environmental Sociology**
- **SOCL 276: Sociology/Politics of Food**
- **SOCL 278: Global Health**
- **THEO 204: Rel. Ethics/Ecological Crisis**
- **THEO 344: Theology and Ecology**
# B.S. Environmental Science EVSC-BS

## C: Policy, Economics & Resource Management-CHOOSE ONE
- ENVS 302: Principles of Public Health
- MGMT 201: Intro to Business Management
- ENVS 310: Intro to Environmental Law & Policy
- PLSC 354: Global Environmental Politics
- ENVS 311: Natural Resources and Land Use Law & Policy
- ENVS 312: Water Law & Policy
- ENVS 313: Energy Law & Policy
- ENVS 322: Industrial Ecology
- ENVS 335: Ecological Economics
- ENVS 336: Biomimicry: Design Inspired by Nature
- ENVS 338: Environmental Health Policy
- ENVS 351: Introduction to Sustainability Concepts & Impacts
- ENVS 363: Sustainable Business Management
- ENVS 364: Sustainability Management in the Global Context
- ENVS 383: Human Dimensions in Conservation
- ENVS 384: Conservation Economics
- ENVS 389: Ecological Rise Assessment
- ENVS 391: Independent Environmental Research*
- ENVS 395: Environmental Internship*
- ENVS 398: Special Topics*
- ENVS 399: Directed Readings*

*upon approval of IES Academic Dean

## D: Environmental Science Electives-CHOOSE FIVE (at least three 300 level courses)
- ENVS 204: Gender, Health, and Environment
- ANTH 104: The Human Ecological Footprint
- ENVS 207: Plants & Civilization
- ANTH 303: People & Conservation
- ENVS 218: Biodiversity & Biogeography
- 300 level courses in BIOL, CHEM, PHYS*
- ENVS 223: Introduction to Soils
- ENVS 224: Climate & Climate Change
- ENVS 226: Science & Conservation of Freshwater Ecosystems
- ENVS 227r: Ecology of the Mediterranean
- ENVS 267: Bird Conservation & Ecology
- ENVS 273: Energy & the Environment
- ENVS 281c: Environ. Sustainability and Science in China
- ENVS 281v: Humans and the Environ. of Contemporary Vietnam
- ENVS 283: Environmental Sustainability
- ENVS 301: Environmental Health
- ENVS 302: Principles of Public Health
- ENVS 303: Introduction to Epidemiology
- ENVS 319: Winter Ecology
- ENVS 320: Conservation Biology
- ENVS 322: Invasive Species
- ENVS 325: Sustainable Agriculture
- ENVS 326: Agroecosystems
- ENVS 327: Food Systems Analysis
- ENVS 330: Restoration Ecology
- ENVS 338: Climate Change and Human Health
- ENVS 340: Natural History of Belize
- ENVS 345: Conserv. & Sustainability in Neotropical Ecosystems
- ENVS 350a: STEP: Water
- ENVS 350b: STEP: Biogas
- ENVS 350c: STEP: Climate Action
- ENVS 350f: STEP: Food Systems
- ENVS 352: Sustainability Assessment & Reporting I
- ENVS 353: Sustainability Assessment & Reporting II
- ENVS 369: Field Ornithology
- ENVS 380: Introduction to Geographic Information Systems
- ENVS 381: Advanced GIS Applications
- ENVS 383: Human Dimensions in Conservation
- ENVS 385: Introduction to Global Health
- ENVS 387: Principles of Ecotoxicology
- ENVS 388: Applied Environmental Statistics
- ENVS 389: Ecological Risk Assessment
- ENVS 391: Independent Environmental Research*
- ENVS 395: Environmental Internship*
- ENVS 398: Special Topics*
- ENVS 399: Directed Readings*

*upon approval of IES Academic Dean