**Course List for *Bachelors degree* in Environmental Science**

**Core Courses for all students (82 credits):**

|  |  |
| --- | --- |
| CHE 101 | General Chemistry |
| ENV 102 | Environmental Biology |
| ECO 103 | Introduction to Economics |
| MIS 105 | Introduction to Computers |
| ENV 107 | Introduction to Environmental Science |
| ENV 172 | Introduction to Statistics |
| ENV 203/GEO 205 | Introduction to Geography |
| ENV 207 | Environment and Health |
| ENV 208 | Environmental Hazards and Disaster Management |
| ENV 214 | Environmental Management |
| ENV 215 | Ecology (***4 credits***) |
| ENV/ECO 260 | Introduction to Environmental and Natural Resource Economics (pre-requisite: ECO/ENV 103) |
| ENV 307 | Urban Environmental Management |
| ENV 315 | Environmental Ethics |
| ENV 316 | Geographical Information Systems |
| ENV 373 | Environmental Impact Assessment and Monitoring |
| ENV 405 | Population, Poverty and Environment |
| ENV 408 | Environmental Pollution Control |
| ENV 409 | Environmental Policy, Planning and Politics |
| ENV 410 | Integrated Water Resource Planning and Management |
| ENV 414 | Waste Management |
| ENV 419 | Forest Management |
| ENV 425 | Ecological Economics (pre-requisite ENV 215 & ENV/ECO 260) |
| ENV 430 | Environmental Laws and Regulations |
| ENV 455 | Research Methods |
| ENV 498 | Internship |
| ENV 499 | Thesis |

**Environmental Science**

The Bachelor of Environmental Science will introduce the students with the understanding of different environmental issues and accordingly prepares them to explore the relationships between humans and their environment in a proactive manner. The student employs problem-solving methods, data-search strategies, analysis, evaluation, and prediction in their study of complex environmental issues.

**Science Concentration Core Courses (15 credits):**

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 120 | | Calculus I | |
| ENV 205 | | Climate Change | |
| ENV 209 | | Environmental Chemistry | |
| ENV 375 | | Biostatistics (pre-requisite: ENV 102 & ENV 172) | |
| ENV 436 | | Toxicology and Xenobiotics | |
|  | |  | |
| **Science Concentration Elective Courses (15 credits):** | |  | |
| ENV 204 | | Soil Science | |
| ENV 303 | | Environmental Hydrology | |
| ENV 304 | | Environmental Microbiology | |
| ENV 305 | | Water Supply and Treatment | |
| ENV 311 | | Geology and Geomorphology | |
| ENV 312 | | Biogeochemistry (pre-requisite ENV 209) | |
| ENV 313 | | Biodiversity and the Preservation of Species | |
| ENV 401 | | Sustainable Agriculture | |
| ENV 402 | | Environmental Modeling | |
| ENV 404 | | Environmental Issues in Bangladesh | |
| ENV 407 | | Quantitative Applications in Environmental Studies | |
| ENV 412 | | Coastal Zone Management | |
| ENV 413 | | Groundwater Assessment  Development and Management | |
| ENV 415 | | Waste Treatment | |
| ENV 418 | | Conservation and Sustainable Development | |
| ENV 421/ECO 486 | | Energy Economics and Policy | |
| ENV 450 | | System Analysis for Environmental Planning | |
| ENV 495 | | Environmental Research Using Geographical Information System | |
| ENV 497 | | Special Topic in Environmental Studies | |
| **Core Courses** | **82** | |
| **Concentration Core Courses** | **15** | |
| **Concentration Elective Courses** | **15** | |
| **GED Courses** | **(incl. ENG 103 & ENG 105)                             12** | |
| **Open Elective Courses** | **06** | |
| **Total** | **130** | |

Old Informaiton before 07-08-2014