

NATURAL SYSTEMS AND PROCESSES (LAB)

Students must complete a minimum of two 3-credit NSP courses. At least one of the courses taken in this area must have a laboratory component. Note: Non-approved LASC lab (NLL) courses do not meet the requirement for a LASC LAB course.

Courses in this area:

- Study physical and natural systems and processes.
- Apply scientific models, theories, and technology to problems facing society.
- Have an analytical and/or quantitative component and include interpretation, communication and/or presentation of data and results.
- Compare and contrast various modes of scientific inquiry.
- Place scientific inquiry within its historical and contemporary contexts.
- Use and reflect on the scientific method of investigation.
- Address the strengths and limitations of scientific inquiry in human understanding.
- Encourage students to become scientifically literate citizens and be able to evaluate scientific information.

| Code | Title | Credits |
|--------|--|---------|
| BI-101 | Concepts of Biology | 4 |
| BI-104 | The Human Animal Laboratory | 1 |
| BI-116 | Animal Biology | 4 |
| BI-117 | Humans and the Environment | 4 |
| BI-118 | Dinosaurs | 4 |
| BI-130 | Field Biology | 4 |
| BI-140 | Introduction to Organismal Biology | 4 |
| BI-141 | Intro to Cellular and Molecular Biology | 4 |
| BI-162 | Human Anatomy and Physiology II | 4 |
| BI-206 | Medical Microbiology | 4 |
| BI-354 | Systematics and Evolution | 4 |
| BI-380 | Biodiversity and Conservation Biology | 4 |
| BI-983 | Techniques in Laboratory and Field Resea | 4 |
| BT-101 | Introduction to Forensic Sciences | 4 |
| CH-112 | Survey of Chemistry | 4 |
| CH-215 | Science of Stuff | 4 |
| CH-250 | Instrumental Technology for Forensic Analysis | 4 |
| CH-435 | Advanced Laboratory Experience | 2 |
| EV-120 | Integrated Environmental Science for Educators | 4 |
| EV-348 | Fundamentals of Earth Data Analytics | 4 |
| EV-380 | Biodiversity and Conservation Biology | 4 |
| GS-140 | Physical Geology | 4 |
| GS-165 | Geographic Information Systems I | 4 |
| GS-180 | Field Geoscience | 1-4 |
| GS-225 | Oceanography | 3 |
| GS-250 | Hydrology | 3 |
| GS-270 | Sediments and Soils | 3 |
| GS-348 | Fundamentals of Earth Data Analytics | 4 |

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| PB-200 | Introduction to Psychobiology | 4 |
| PY-105 | How Stuff Works (concepts in Physics) | 3 |
| PY-221 | General Physics I | 4 |
| PY-222 | General Physics II | 4 |
| PY-241 | Physics I (Mechanics) | 4 |
| PY-242 | Physics II (Electricity, Magnetism and Optics) | 4 |
| PY-250 | Observational Astronomy | 3 |