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MORAVIAN COLLEGE

Recruiting Moravian College Science Students

The Science Departments (Biology, Chemistry, and Physics & Earth Science) at Moravian College focus on providing students with a fundamental understanding of the concepts of science and the application of science to world issues. The departments emphasize exploration of scientific principles through hands-on experience and research.

Biology

Housed in the Hall of Science complex on the beautiful wooded North Campus, the Department of Biology has accomplished faculty and provides broad coverage of the scientific areas of biology including animal behavior, biochemistry, cell biology, developmental biology, ecology, evolution, genetics, microbiology, molecular biology, and plant biology.

Chemistry

The Moravian chemistry major provides a firm foundation for medical school as well as for careers in the chemical and pharmaceutical industries. In conjunction with the teacher certification program, chemistry majors can qualify for secondary school certificates in chemistry and general science. The department offers additional advanced chemistry courses, including research experiences, that prepare students for graduate study in chemistry and lead to a Moravian bachelor's degree that is certified by the American Chemical Society.

Physics & Earth Science

The department provides the student with the opportunity to investigate and study those areas of physics and earth science which are essential for graduate study or for a related career in industry, government or secondary education. In the physics curriculum the emphasis is on:

1. Theoretical developments and problem solving at the appropriate level of mathematical sophistication.
2. Experimental investigations which stress physical principles and which make use of modern laboratory equipment and techniques

MAJORS

BIOLOGY

Biology, B.S.
Medical Technology (Cooperative), B.S.
Natural Resource Management (Cooperative), B.S.

PHYSICS AND EARTH SCIENCE

Engineering (Cooperative), B.A./B.S.
Geology (Cooperative), B.S.
Physics, B.S.

CHEMISTRY

Chemistry, B.S.

FACILITIES

The Collier Hall of Science offers excellent facilities and resources. These include student research laboratories, 24-hour reading rooms and reference libraries, a complete machine shop, fully instrumented laboratories for each area of study, and extensive networked computing facilities. The Collier Hall of Science includes:

- An electronics laboratory for both linear and digital electronics, a fully instrumented laboratory for atomic and nuclear physics, a Mössbauer system, an X-ray diffraction system, a non-linear optics and laser research laboratory
- Laser fluorescence equipment, FTIR, and UV-VIS spectrophotometers, GC-MS and FTNMR spectrometers, an HPLC system with a photo diode array detector, electroanalytical instrumentation, and gas chromatographs, as well as on-line chemical literature search capabilities through the STN System
- Differential scanning calorimeter, and a unique electronic instrumentation network that facilitates the use of science division instruments in teaching and research laboratories across the science division
- Animal rooms, salt-water aquaria, a greenhouse, radioisotope instrumentation as well as inverted, epifluorescence, and phase contrast microscopes
- BOD and carbon dioxide incubators, specialized equipment for molecular biological research such as a PCR thermocycler and DNA-sequencing apparatus, physiology instrumentation, a chemostat, high-speed centrifuges, electrophoresis and chromatography equipment, specialized spectrophotometers, as well as photomicroscopy and digital imaging equipment

EMPLOYMENT

Moravian College science majors participate in a wide array of internships and become successful in their careers at a variety of organizations. The list below contains some of employers that have been pleased with the performance of Moravian College science graduates:

Merck and Company	Apalachicola National Estuarine Research Reserve
Roche	Ashland Chemical
AT&T	Fox Chase Cancer Center
Johnson & Johnson	Exxon/Mobil
Quest Diagnostics	Teva Pharmaceuticals
Smithsonian Institution	Lampire Biological Laboratories
B. Braun Medical	Great Smoky Mountains National Park
Princeton University	Mayo Clinic
Baker Instruments	Binney & Smith
Aventis Pharmaceuticals	CIGNA
Easton Hospital	Ortho-McNeil Pharmaceutical Corporation
SAIC	DuPont

WANT TO CAPITALIZE ON OUR STUDENTS' SUCCESS?

Contact the Career Development Office to discuss the best way for your organization to recruit well-trained Moravian College graduates and alumni. We offer a variety of services to employers free of charge. You can reach us by phone: (610) 861-1509, via email: thecareercenter@moravian.edu or by mail at 1305 Main St, Bethlehem, PA 18018.