

# Sciences Division

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Division Phone Number: (513) 569-1700

Sciences Division faculty are prepared for and dedicated to fulfilling the following divisional goals:

- Teaching the principles of physics, chemistry, and mathematics considered basic to successful studies in science-dependent fields such as engineering technologies, health technologies, science and health laboratory sciences, or technical business services.
- Teaching the principles of physics, chemistry, and mathematics considered essential to successful science studies within liberal arts programs.
- Providing in-depth instruction which prepares students for bachelor's degree studies in scientific or mathematical fields after obtaining an Associate of Science degree at Cincinnati State.

The Sciences Division is committed to the integration of language and critical thinking skills, mathematics, and the understanding of scientific principles to provide a comprehensive problem-solving approach to learning.

The Sciences Division emphasizes laboratory experiences, particularly in the laboratory-based chemistry and physics departments. Through observation and manipulation of laboratory materials, students gain genuine understanding of physical laws, concepts, and hypotheses and have opportunities to learn to use their own ingenuity while investigating and reporting on scientific issues and phenomena.

## Mathematics and Science Readiness

Enrollment in mathematics and science courses is based on a student's readiness, which is determined at the admissions process through assessment testing and advisor interviews. Students who need to enhance skills prior to enrolling in college-level courses are assisted in selecting the appropriate Academic Foundations courses described elsewhere in this catalog. As a result, students enhance their opportunities for success in their mathematics and sciences courses.

## Cooperative Education

The Sciences Division shares Cincinnati State's commitment to cooperative education as an integral part of the curriculum. Cooperative education allows students to apply concepts learned in the classroom with practical, hands-on experience in real work environments. In some cases, degree-seeking students with prior work experience related to their post-baccalaureate career goals may be eligible to receive credit through the standard College procedures for granting advanced standing credit. The program chair and cooperative education coordinator must approve all substitutions in advance.

Students must schedule a meeting with the cooperative education coordinator at least one semester prior to the anticipated start of their co-op activities to discuss options and plan how to complete co-op credits.

For eligibility requirements, co-op registration policies, and other issues related to cooperative education, please refer to the "Cooperative Education (<http://catalog.cincinnati-state.edu/archives/2015-16/academicpoliciesandprocedures/cooperativeeducationprogrampolicies>)" section of the catalog.

## Transfer Module

The Ohio Board of Regents developed the transfer module to facilitate transfer of credits from one Ohio public college or university to another. The transfer module contains 36 to 40 semester hours of course credits in the areas of English, mathematics, arts and humanities, social and behavioral sciences, natural and physical sciences, and interdisciplinary studies. A transfer module completed at one college or university automatically meets the requirements for the transfer module at another college or university once the student is admitted. For additional information, see the "State of Ohio Policy for Institutional Transfer (<http://catalog.cincinnati-state.edu/archives/2015-16/admissioninformation/institutionaltransfer>)" and the "Transfer Module (<http://catalog.cincinnati-state.edu/archives/2015-16/academicdivisionsanddegreeampcertificatoprograms/transfermodule>)" sections of this catalog.

The Associate of Science degree contains all of the required courses for the transfer module. Students who transfer to an Ohio public university for baccalaureate degrees will find that an Associate of Science degree leads to preferential consideration at the receiving institution.