Minors and Immersions

FIND YOUR PATH

- Immerse Yourself
  Every RIT undergraduate must take a three-credit-hour sequence outside their major field of study. There are dozens of options to choose from.

- Minors = Major Impact
  A minor is 15 credit hours, nine of which must be outside your major. Science and math majors who complete a minor report that their choice enhances both their independent research and job potential.

- ‘Trained’ vs ‘Educated’
  RIT’s minor programs are the hallmark of a top-notch liberal arts education. Rather than focus on a narrow set of skills that limit your options, RIT invites you to explore more of what a major university has to offer.

- Campuswide Connections
  It’s easy to become focused on the same set of courses, faculty, and peers. A minor invites you to broaden your circle and meet people whose interests overlap with or diverge from your own.

- Uncommon Programs
  When you look through the minors and immersions RIT offers, you’ll see this is no traditional university. Our minors are introductions to very specific industries like imaging science, bioinformatics, or game design — programs that just don’t exist at many other places.

LEARN MORE

rit.edu/science/programs
rit.edu/programs

CHOOSE YOUR OWN ADVENTURE

MINORS AND IMMERSIONS LET YOU CUSTOMIZE YOUR RIT EXPERIENCE BY BLENDING DISCIPLINES TO SUIT YOUR UNIQUE SET OF INTERESTS

Do you love both computers and chemistry? Do you think learning a second language could broaden your opportunities after graduation? Are you interested in physics, but really also want to learn more about music history?

As part of your RIT bachelor’s degree requirements, you will take three courses in an immersion of your choice ranging across dozens of topics. If you find one that really interests you, you can expand it into a minor with at least 15 credit hours.

Many science and math majors find that a minor in a seemingly unrelated field, like history or photographic sciences, can lead to unexpected research connections. Graduates who take advantage of RIT’s diverse offering of minors enter the workforce with a broader world view and a more flexible set of skills.
MINORS AND IMMERSIONS

MINORS  You may opt to pursue a 15-credit minor with at least nine credits outside your major.

Applied Statistics
A solid starting point in varieties of statistical analysis used in science, health care, industry, and business.

Astronomy
Learn more about our observations of the cosmos and become familiar with the tools and techniques used by present-day astronomers.

Bioinformatics Analysis
Biology meets computer science when you learn how to use software algorithms to study DNA sequences. Includes discussions of ethical issues.

Biology: Cellular and Molecular
Explore biology at the microscopic and smaller to examine the smallest structures that make life possible.

Biology: Ecology and Evolution
Study biology on a planetary scale and the impact of human civilization on all living things. Learn more about the process that causes species to evolve over time.

Chemistry
Gain a solid grounding in analytical and organic chemistry with a broad selection of electives.

Environmental Modeling
Begin with the process of spatial modeling as part of a tool set for investigating environmental issues. Also learn more about the development of geographic information systems, remote sensing techniques, problem-solving, and multiple stakeholder perspectives.

IMMERSIONS  All RIT undergraduates must choose a three-course immersion sequence outside their major.

Applied Statistics
Deepen your technical background and gain further appreciation for modern mathematical sciences and the use of statistics as an analytical tool.

Astronomy
Get hands on exposure to the concepts and equipment used in modern astronomy.

Biology
An introduction to the study of living organisms, including their structure, systems, function, evolution, and ecology.

Chemistry
Gain a general understanding of the subject of chemistry ranging from organic and analytical to inorganic and biochemistry.

Environmental Science
Start with a sequence of introductory biology courses and branch out into major fields of ecology and our social impacts on the environment.

Imaging Science
An introduction to an uncommon field of study that includes electives in psychophysics, radiometry, image processing, color science, detectors, and optics.

Mathematics
Introduces project-based calculus and three other mathematics courses of your choice.

Physics
Develop interconnected unifying threads bridging the vast number of seemingly diverse phenomena observed in the physical world.

Science of Film, Photography, and Imaging
Explores the basic science behind technologies used in film, photography, and other imaging applications. Introductions to human visual perception, color science, imaging physics, and imaging system engineering.

Optical Science
Study techniques used in a variety of consumer products (e.g., digital cameras, CD players), communication technologies (optical fibers), medical imaging (infrared imaging), and the sciences (surveillance, remote sensing, astronomical systems).

Physics
Begin with introductory calculus and physics and extend your knowledge of the field into areas such as optics, classical mechanics, electricity and magnetism, quantum mechanics, and laser physics.

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