

Imaging Science FAQ

What is Imaging Science, in a nutshell?

- Imaging Science is a highly interdisciplinary major, consisting mainly of physics, math, and computer science.
- It is a challenging but rewarding program of study in the College of Science at RIT, and the only undergraduate program in Imaging Science in the United States.
- Because of this unique preparation, our graduates are highly sought after in industry, with 99% of our graduates moving on to their top choice career or graduate school immediately after graduation with starting salaries up to the \$70,000 range - even despite the current economic climate.
- Imaging Scientists work with everything that goes into creating and extracting information from a useable image, including: development and characterization of technologies used in modern digital imaging devices; the integration of those technologies into systems; and the use of those systems to create visual renderings of a broad range of objects and phenomena.

Who studies Imaging Science, and what can you do with it?

The types of students that are attracted to and excel in our program are those with an interest in math and science. We find there are many students who know they want to study math, science, and/or engineering, but are not sure which route to take. Imaging Science is the perfect solution to this, as it is a multi-disciplinary major that covers a range of subjects, and has a very flexible curriculum that allows students to focus on particular areas of interest.

In that same vein, career opportunities in Imaging Science are abundant and diverse:

- environmental applications
- national security and defense
- aerial imaging, remote sensing, and satellite system design
- astronomical imaging and astrophysics
- biomedical imaging
- cultural heritage applications in art and history
- color science
- and more!

Imaging Scientists are hired at a range of employers, including (just to name a few):

- NASA
- Lockheed Martin
- Boeing
- ITT
- United State Central Intelligence Agency
- National Geospatial Intelligence Agency
- Microsoft
- Hewlett Packard

Imaging Science also prepares students well for a large variety of graduate school programs:

- Systems Engineering
- Geology
- Astrophysics
- Environmental Science
- Computer Science
- Computer Graphics and Imaging
- Optics
- And many more.

What preparation is needed to study Imaging Science in college?

Because of the flexibility of the Imaging Science curriculum, a typical high school course sequence provides sufficient preparation. While we suggest exposure to physics and pre-calculus courses before entering the program, these are not strict requirements. Although there is computer programming in the curriculum, no prior experience is needed. The Imaging Science department can work directly with students to address any special requests for scheduling.