College graduates who have majored in a wide range of fields fill entry-level jobs. For many librarians, the ability to assemble materials, and help students and library patrons seek information. Jobs for librarians can require an additional graduate or professional degree. A large number of retirements in the next 10 years is expected to spur faster-than-average growth in employment. Employment is expected to increase much faster than the average, as growth in the health care industry is driven by the aging population and by legislation that mandates preventive health care. These data come from a variety of sources, including the U.S. Department of Labor’s Occupational Outlook Handbook. Keeping up to date with the newest programming tools will also improve job prospects. Many computer programmers work in computer system design and related services, and some in computer support services. Employment is expected to increase much faster than the average, as growth in computer-related industries is driven by the increasing use of computer systems and applications in nearly every sector of the economy. Job opportunities should be strong for jobs with the most prestigious accounting and business firms. These analysts, who will be hired by organizations to provide systems analysis and design, will be needed to develop and implement computer systems to accommodate the increase. These analysts, who will be hired by organizations to provide systems analysis and design, will be needed to develop and implement computer systems to accommodate the increase.

### Job Outlook to 2022

#### Business and Management Careers

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<tbody>
<tr>
<td>Business and Related Vocational Teachers</td>
<td>2,500</td>
<td>5% (757)</td>
<td>2,637</td>
<td>Job prospects should be favorable, particularly for those with a master’s degree or higher. Many new openings will arise from the need to replace experienced teachers who leave the occupation.</td>
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#### Health and Health Technology Careers

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<tbody>
<tr>
<td>Pharmacists</td>
<td>71,000</td>
<td>7% (4,870)</td>
<td>75,650</td>
<td>Pharmacists must be knowledgeable about medications, disease processes, and patient needs. They must also be able to communicate effectively with patients, physicians, and other health care professionals.</td>
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#### Computing Careers

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<tbody>
<tr>
<td>Computer Programmers</td>
<td>143,000</td>
<td>6% (8,540)</td>
<td>150,540</td>
<td>Computer programers must be able to design, develop, test, and evaluate computer software. They must also be able to communicate effectively with others, including non-technical users.</td>
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#### Education Careers

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<tbody>
<tr>
<td>Elementary School Teachers</td>
<td>1,492,000</td>
<td>1% (40,000)</td>
<td>1,496,000</td>
<td>Teachers must have a Bachelor’s degree in education or a related field. They must also be able to create lesson plans, assess student progress, and adapt teaching methods to meet the needs of individual students.</td>
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#### Engineering and Technical Careers

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<tr>
<td>Aerospace Engineers</td>
<td>58,000</td>
<td>5% (2,900)</td>
<td>60,900</td>
<td>Aerospace engineers must have a strong background in mathematics, physics, and engineering. They must also be able to communicate effectively with others, including non-technical users.</td>
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#### Social Science and Social Service Careers

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<tbody>
<tr>
<td>Social Workers</td>
<td>73,000</td>
<td>10% (6,900)</td>
<td>79,900</td>
<td>Social workers must have a Bachelor’s degree in social work or a related field. They must also be able to communicate effectively with others, including non-technical users.</td>
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#### Visual Arts and Communications Careers

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<tr>
<td>Graphic Designers</td>
<td>119,000</td>
<td>2% (2,300)</td>
<td>121,300</td>
<td>Graphic designers must have a strong background in art, design, and technology. They must also be able to communicate effectively with others, including non-technical users.</td>
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</table>
Dear Student and Family:

RIT is dedicated to providing superior career preparation for today’s students. One of the many ways we do so is by offering academic programs that align with the demands of the marketplace, and few universities offer RIT’s variety of career-oriented studies. As you consider the right institution for your student, we wanted to provide you with information that allows you to explore the relation between career opportunities and college preparation.

This “Job Outlook to 2022” poster represents RIT’s latest effort to provide concise career guidance information to students who are interested in exploring the relationship between career opportunities and college preparation. This 6th edition identifies career areas, employment prospects, and entry requirements for nearly 70 occupational titles requiring a college degree.

This information is based on the latest data provided by the U.S. Department of Labor and several professional organizations. A Web-based version of this information can be found at joboutlook.rit.edu. The site incorporates information summarized in this poster with additional insights and career trend data. It also includes outcome data for the class of 2015 that exceeds 95%; demonstrating that the demand for RIT graduates is strong.

May 2016

Sincerely,

James G. Miller
Senior Associate Vice President and Director Career Services and Cooperative Education

RIT in Brief

Rochester Institute of Technology

SUNY’s fourth oldest and one of the largest cooperative education programs in the world, annually placing more than 4,500 students in more than 3,500 job assignments with more than 2,300 employers across the United States and overseas.

COLLEGES:

- College of Applied Science and Technology
- B. Thomas Golisano College of Computing and Information Sciences
- Kate Gleason College of Engineering
- National Technical Institute for the Deaf
- School of Design
- School of Film and Animation
- School of Media Science
- School of Photographic Arts and Sciences
- National University of Science and Technology

DEGREES:

- RIT offers the following degrees: doctorate (Ph.D.), masters (M.S.), bachelors (B.S.), associate (A.A.S.), and certificate.

WALLACE LIBRARY:

- The library provides access to more than 150,000 books and print journals, more than 40,000 electronic journals, and more than 150,000 e-books. Resource materials also include audio, film, and video titles and more than 150,000 books and print journals.

HOUSING:

- Housing is available on campus for all students. Residence halls, apartments, or townhouses on campus.

ATHLETICS:

- Men’s Teams—baseball, basketball, cross country, ice hockey (Division I), lacrosse, soccer, softball, swimming, tennis, track, and wrestling

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