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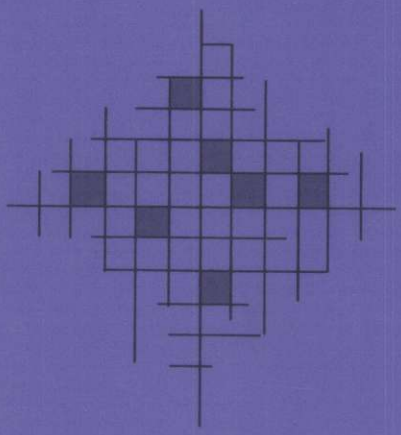

1988–90

The National Technical Institute for the Deaf at Rochester Institute of Technology

Message from the Director and the Dean of NTID

If you are looking for an education that can lead to a productive career, the National Technical Institute for the Deaf at Rochester Institute of Technology (NTID at RIT) may be the right place for you. Our curriculum is challenging, but the reward for hard work is a meaningful career after graduation.

NTID's goal is to prepare graduates to enter the workplace ready to compete with their hearing peers. To achieve this, NTID offers a broad range of career-oriented programs. All reflect the nature of a rapidly changing technological society and the needs of employers. In addition to focusing on technology, NTID's programs will develop your personal, social, and communication skills.

NTID's placement rate for graduates is 95 percent. In addition, over the past four years, the earnings of our alumni have increased by approximately twice the rate of inflation.

Should you qualify and decide to attend NTID at RIT, you will have the opportunity to take advantage of a full range of programs. If you qualify, you can pursue bachelor's and master's degrees in one of the other eight colleges of RIT.

About 20 percent of NTID's students take classes in one of RIT's other colleges. If requested, they receive the support services of interpreters, tutors, and notetakers. RIT has been recognized in *U.S. News and World Report* as one of the top colleges in the Northeast.

We welcome your interest and invite you to visit our campus.

Dr. William E. Castle
Vice President for Government Relations, RI1
Director, NTID

Dr. James DeCaro
Dean, NTID

Quick Reference Telephone Directory

	Voice	TDD
NTID Main Phone	(716) 475-6400	2181
Career Outreach and Admissions	6700	6173
Institute Director	6418	6418
Career Development Programs Administration	6314	6314
Technical Assistance Programs Administration	6302	6302
School of Business Careers	2993	2993
School of Science and Engineering Careers	6270	6838
School of Visual Communication Careers	6756	6367
Communication Programs	6300	6300
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Educational Support Services Programs	6433	6433
Division of Public Affairs	6824	6824
Visitors:		
Prospective Students	6318	6318
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Residence Halls 24-Hour Desk	6149	2894
Intercom Office	4065	4591
Financial Aid - RIT	2186	6909
VR Billing Coordinator	2080	2960
Housing-RIT	2572	2113

Academic Calendar 1988-89

	Day College-Open Registration	Classes Begin	Last Day of Classes	Exam Week	No Classes
SVP	**July 28-31 (move-in and orientation)**	**Aug. 1**	**Aug. 26**		
Fall Quarter	**Aug. 31 (new and returning students)**	**Sept. 1**	**Nov. 9**	**Nov. 11-15**	**Nov. 17-27**
Winter Quarter	**Nov. 28**	**Nov. 29**	**Feb. 20**	**Feb. 22-25**	**Dec. 19-Jan.2 Feb. 26-March 5**
Spring Quarter	**March 6**	**March 7**	**May 15**	**May 16-19***	**May 21-28**
Summer Quarter		**May 30**	**Aug. 8**	**Aug. 10-12**	**July 4**

•Commencement - May 20,1989

CONTENTS

This catalog provides information about academic policies/rules, financial aid, placement statistics, and academic programs for students enrolled at the National Technical Institute for the Deaf at Rochester Institute of Technology. It is meant to be used in conjunction with the *NTID Course Catalog.* For more detailed information, consult the *Course Catalog.*

Accreditation

The Institute is chartered by the legislature of the State of New York and accredited by the Middle States Association of Colleges and Schools. In addition to institutional accreditation, some curricula are accredited by appropriate professional accreditation bodies.

This bulletin was produced by the National Technical Institute for the Deaf (NTID) at Rochester Institute of Technology (RIT) through an agreement between RIT and the U.S. Department of Education.

RIT admits and hires men and women, veterans and disabled individuals of any race, color, national or ethnic origin, or marital status, in compliance with all appropriate legislation, including the Age Discrimination Act.

About This Bulletin

This bulletin does not constitute a contract between Rochester Institute of Technology (RIT) and the students who are admitted to the National Technical Institute for the Deaf (NTID) on either a collective or individual basis. It represents RIT's best academic, social, and financial planning for NTID at the time of publication. In order to keep programs current and relevant, course and curriculum changes, modifications of tuition, fee, dormitory, meal and other charges, plus unforeseen changes in other aspects of RIT life sometimes occur after the bulletin has been printed but before the changes can be incorporated in a later edition of the same publication. RIT thus does not assume a contractual obligation with NTID students for the contents of this bulletin.

For more information concerning other programs of study at RIT, write or phone:

Rochester Institute of Technology
National Technical Institute for the Deaf
Department of Career Outreach and Admissions
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887

(716) 475-6700 (Voice)
475-6173 (TDD)

The Partnership: The National Technical Institute for the Deaf at Rochester Institute of Technology

The National Technical Institute for the Deaf (NTID) is one of nine colleges at Rochester Institute of Technology (RIT). NTID represents the first effort to educate large numbers of deaf students within a college campus planned primarily for hearing students. The only institution of its kind in the world, NTID is a vital part of RIT's 1,300-acre campus in suburban Rochester, New York.

NTID provides educational opportunities for qualified deaf students from every state in the nation.

The fact that NTID is located on a college campus designed primarily for hearing students is important to the students' academic, personal, social, and communication development. NTID academic programs lead to certificates, diplomas, and associate degrees from RIT. An associate degree in Educational Interpreting is offered for hearing students.

Most NTID students take some courses along with hearing students at one (or more) of the other colleges of RIT: Applied Science and Technology, Business, Continuing Education, Engineering, Fine and Applied Arts, Graphic Arts and Photography, Liberal Arts, and Science.

Some NTID-sponsored students are full- or part-time students in the associate, bachelor's, and master's degree programs of these other colleges. Special educational support departments made up of NTID staff members help them in their studies at these colleges.

Of these students, some 66 percent historically graduate from RIT programs. An additional nine percent benefit from some preparatory work and then transfer to another postsecondary institution to complete their education.

A special feature of most RIT colleges, including NTID, is the cooperative (co-op) education program. Co-op, established at RIT in 1912, symbolizes its "learning by doing" philosophy.

Facilities

A special academic/residence complex was completed in 1974 to serve NTID at RIT. The Hugh L. Carey Building was added in 1983. The residence halls, academic buildings, and dining commons each were designed to provide a living/learning experience and to meet the specific needs of deaf students. All buildings are used to bring deaf and hearing students together — living and sharing educational goals.

The Lyndon Baines Johnson Building is NTID's main academic building. It has laboratories, offices, speech and hearing areas, classrooms, and a 500-seat theater with closed-circuit television. Students meet and relax after classes in colorful, plant-filled hallways, or "streets," which run down the center of the facility.

Classrooms are designed without windows to reduce distractions. Colors are soft, and seats are placed in a semicircle to allow the best possible vision from all parts of the room. The seats turn so that students can always see each other. Projection equipment is located outside the classroom area to reduce noise.

Television, a basic part of NTID's communication network, is used both for education and entertainment. TV monitors are visible throughout the buildings, and the television system contains four viewing channels. Two well-equipped studios produce class and self-instruction videotapes as well as all captioning that is done at NTID.

Learning centers offer students self-paced instruction, small classes, and individual attention. These centers are set up for instruction in English, mathematics, physics, reading, science, telecommunications, and writing. Self-instruction labs encourage students to practice their communication skills.

The residence halls in the complex contain dormitory rooms, recreation areas, student lounges, and study and conference areas. Residence halls are available for single students; on-campus apartments and townhouses are available for married students. The three residence halls shared by deaf and hearing students are Mark Ellingson Hall, Peter N. Peterson Hall, and Alexander Graham Bell Hall.

The Hettie L. Shumway Dining Commons includes a large dining room and complete food service facilities.

Other special features for deaf students include visual emergency warning systems in the academic buildings and residence halls, a sophisticated telecommunications system linking all parts of the RIT campus, and a hearing aid shop.

Wallace Memorial Library

RIT's Wallace Memorial Library is a multi-media learning center. Its holdings are accessible by computerized on-line catalog terminals on site and by remote access from dorms, offices, laboratories, and home through the campus computer network. These holdings include not only books, but compact disks, microforms, newspapers, magazines, professional journals, films, videocassettes, recordings, and other media. The catalog gives locations as well as circulation information on each item.

Reference librarians are on duty seven days a week to assist students in the use of all library resources. More than 700 student study stations are located on the three floors of the library. Study stations include individual study carrels and group study rooms.

Student photography and artwork is exhibited in gallery and display areas, and outstanding student artwork is permanently displayed. There are several lounge areas.

The library contains a special collection of materials about deafness. These materials serve NTID and support research by anyone interested in studying the problems of deafness. A librarian on the reference staff is available for NTID students seeking assistance. A special collection area contains archives, rare books, faculty writings, and RIT theses. The Graduate Chemistry Library supplements the main library.

Regular library hours are Monday-Wednesday, 7:30 a.m.-midnight; Thursday, 7:30 a.m.-ll p.m.; Friday, 7:30 a.m.-8 p.m.; Saturday, 11 a.m.-7 p.m.; and Sunday, noon-11 p.m. Special hours for exam times, breaks, and holidays are posted.

The Campuses

RIT's main campus, in suburban Rochester, New York, opened in 1968. It has received several architectural awards and is a significant building accomplishment of the greater Rochester area.

The campus includes nearly 1,300 acres of land and will provide for RIT's growth and development for many years. An academic/administration complex of 14 buildings is arranged in three quadrangles. The residential complex has 16 interconnected buildings reached by a quarter-mile path that passes tennis courts and playing fields.

Located on Jefferson Road (Route 252), the campus is only a short distance from shopping centers, motels, the New York State Thruway (Interchange 46), and Rochester's major expressways. Public transportation to the college and free parking on campus are available.

RIT's City Center campus at 50 West Main Street is part of downtown Rochester's cultural center, which includes theaters, museums, and department stores.

The Community

About 700,000 people live in the Greater Rochester area. Known for its leadership in technology and science, Rochester is an ideal community for RIT.

Rochester is an international photographic center and the largest producer of optical goods in the United States. Rochester-based industries manufacture electronic and communication systems, fine machine tools, signaling devices, dental equipment, and a variety of precision instruments. Its printing and lithographic houses are widely known for quality work. These local industries, and many others throughout the nation, have provided RIT with financial support. Many of them have offered cooperative employment to RIT students. All have provided a friendly community atmosphere for RIT.

Rochester also is a cultural center. Rochester citizens support music, art, theaters, libraries, and museums.

Day trip or weekend: Niagara Falls, Artpark, Buffalo, Toronto, Allegheny State Park, Adirondack Mountains, Thousand Islands, Watkins Glen, Corning Glass Center, and Stratford Shakespeare and Chautauqua festivals.

ADMISSION

Admission Requirements

To qualify for admission to RIT through NTID, students must meet certain standards agreed upon by RIT and the U.S. Department of Education. RIT considers these standards in finding out if an applicant will qualify for admission to RIT under the sponsorship of NTID.

1. **Special Help**
   Students should have attended a school or class for deaf students and/or have needed special help because of being deaf.
2. **Hearing Loss**
   Students must have a hearing loss that seriously limits their chance of success in college without special support services. There is a general agreement that an average hearing loss of **60** decibels (ASA) or **70** decibels (ISO) or greater across the **500, 1,000,** and **2,000** hertz (Hz) range (unaided) in the better ear is a major handicap to education.
3. **Educational Background**
   Students' educational backgrounds should show that they can probably succeed in a program of study at NTID or one of the other colleges of RIT. Students who are admitted should have an overall eighth-grade achievement level or higher on a standardized achievement test that includes reading, math, and language.
4. **Secondary Schooling**
   The NTID program at RIT is designed for students who have finished a secondary educational program. Students can be considered for admission before completing a secondary program if their secondary school authorities feel that they will gain more from the NTID program than by remaining in secondary school. Age and personal/social maturity are given special consideration in such a situation.
5. **Maturity**
   Students must show that they are personally and socially mature enough to enter a program at NTID or one of the other colleges at RIT. This means that students must accept responsibility for themselves and their actions and respect the rights of others. The information is provided through students' personal references and performance in high school.
6. **Citizenship**
   Students must be citizens or permanent residents of the United States.

Career Opportunities Advisors

The career opportunities advisors of NTID at RIT are important to students, parents, high school counselors, and vocational rehabilitation (VR) counselors. They have the most up-to-date information about career development of deaf students, technical career education, admission requirements, and educational awareness.

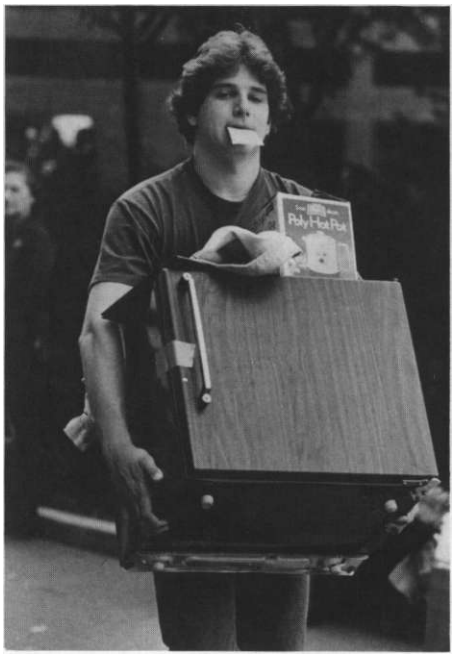
Each advisor is assigned to different states. Career opportunities advisors visit schools all over the United States to discuss:

- technical career education
- communication development
- liberal arts education
- careers and educational awareness
- NTID and the other colleges of RIT.

They also meet with visitors and help prospective students and their parents learn about RIT and its many career programs.

Career opportunities advisors also are admission counselors. They are responsible for answering all admission questions and reviewing applications for their assigned states.

For more information on admission, or to find out the name of the career opportunities advisor assigned to your state, call: (716) 475-6700 (Voice) or 475-6173 (TDD).



Application Tips

When to Apply
High school students should apply in the fall of their senior year. Transfer students also should apply in the fall for admission to the Summer Vestibule Program or September enrollment.

Rolling Admissions
Applications are accepted and admission decisions are made throughout the admission year. This process is called rolling admissions. Qualified applicants are accepted on a first-apply, first-admitted basis. A student's **date of application** is the date when the "Application for Undergraduate Admission" (white form) has been received by the Department of Career Outreach and Admissions at NTID.

The Admission Year
The admission year is from October 1-June 30. Because of the rolling admissions policy, **students should submit their applications in the fall of the year before they wish to attend.**

Waiting List
RIT and the U.S. Department of Education decide the number of deaf students to be accepted for sponsorship by NTID every year. A waiting list is established when there are more qualified applicants than student places.

Standardized Testing
Students must make sure that their high schools send the scores of any standardized achievement tests such as the Stanford Achievement Test, Advanced Battery; the California Achievement Test, Advanced Battery; or other major standardized achievement tests.

A decision on an application cannot be made without appropriate achievement test scores. The test scores sent should be appropriate for a deaf student. The Scholastic Aptitude Test (SAT) of the College Entrance Examination Board (CEEB) often is given to deaf students in public high schools. For most students, this test usually is not appropriate because deafness strongly affects language and reading development. Therefore, the reading and language level of the CEEB test often results in meaningless scores for deaf students.

Questions about Testing
Students should contact the career opportunities advisor for their state when they have questions about a particular standardized test.

Personal Interview
A personal interview is not required for admission. However, an interview can be arranged upon request. Students who plan to visit NTID and want interviews should write or call for an appointment by contacting the Department of Career Outreach and Admissions at (716) 475-6318 (Voice/TDD).

Visiting the Campus

A visit to the NTID/RIT campus is not required for admission. However, a visit often can help students make the final decision about where to go to college.

Visits and tours are available to students and their parents or to groups of students. Tours are regularly scheduled at NTID for 10 a.m. and 2 p.m. Monday and Thursday, and 10 a.m. Tuesday, Wednesday, and Friday.

Visits should be scheduled **at least two weeks in advance,** whenever possible.

Prospective students should notify the Visitations Specialist in the Department of Career Outreach and Admissions by calling (716) 475-6318 (Voice/TDD). All other visitors may contact the Visitors Center at (716) 475-6405, 475-6406 (Voice), or 475-2181 (TDD).

Transfer from Another Postsecondary School

Students from other postsecondary educational programs or colleges are encouraged to apply for admission to RIT through NTID if:

- they need support services such as interpreting or tutoring to help them in their college studies, and these services are not available at the school in which they are or were enrolled
- they decide to change their program of study to one that is not offered at the college they currently attend, but is offered by NTID or another college of RIT
- they have completed a postsecondary program and decide they want or need more training in their program of study. Through NTID, students can get advanced degrees by cross registering into any of RIT's other colleges.

All transfer applicants must meet the admission requirements. For more information on requirements, see page 4.

Transcripts
Transfer students must ask the registrar at their postsecondary school to send transcripts of all courses to the Department of Career Outreach and Admissions at NTID. Students who now are enrolled in courses should include course numbers.

College Catalog
Students also must send catalogs from the schools they have attended to the Department of Career Outreach and Admissions at NTID. Students should write their names inside the catalog. The catalogs will be used to evaluate their transcripts for possible transfer credit.

Transfer Credit
Students usually receive transfer credit for courses at another college or university **if:**

- they completed the courses with a grade of "C" or better
- the courses compare to courses in the student's new RIT program.

Transfer students will find out about transfer credit in their letter of acceptance to an RIT program. Transfer students accepted to the Summer Vestibule Program will find out about transfer credit when they are accepted into a specific program or major.

For more information about transferring, students should contact the Department of Career Outreach and Admissions.

Associate Degree Transfer
Students with an associate degree in an appropriate curriculum may qualify for transfer into the upper division of an RIT program of study under NTID's sponsorship.

Student Checklist for Admission and Program Selection

1. To get an application packet for admission to RIT through NTID, write or phone the NTID Department of Career Outreach and Admissions.
2. Fill out the application form. Send it to the Manager, NTID Career Outreach and Admissions (with a $35 application fee) in the return envelope provided.
3. Send the secondary school record form to your secondary school official; the audiological record form to a certified audiologist; the requests for personal references to four people; and the VR information to a VR counselor.
4. Have the completed secondary school record, audiological record, personal references, and VR information sent directly to:

   Rochester Institute of Technology
   National Technical Institute for the Deaf
   Manager, NTID Career Outreach
   and Admissions
   One Lomb Memorial Drive
   Post Office Box 9887
   Rochester, New York 14623-0887
5. After receiving all the forms, NTID will decide on your application. NTID will write you about the decision.
6. If you do not meet admission requirements, you may request help in finding other postsecondary programs from a career opportunities advisor. You also will receive a copy of *A Guide for College Career Programs for Deaf Students.*
7. If you meet admission requirements, you will be considered for entry into the Summer Vestibule Program (SVP). Most high school students are admitted to this program. Transfer students with limited college experience and/or unclear career goals also may be admitted to SVP. See page 13 for more information about SVP.
8. When you are accepted, you must send, **by May** 1, an admission deposit of $100. The deposit will guarantee you a place in the new entering class and will be used toward your first quarter charges.
9. Acceptance into SVP does not automatically guarantee admission to the program you select during SVP. The final decision on your acceptance into a program of study in the fall quarter is the responsibility of each academic department. Admission to a program of study depends on the following:
   - passing SVP
   - having enough skills to begin the program
   - space available in the program.

If space is limited, students will be selected to enter a program on the basis of their skills, motivation, demonstrated performance during SVP, and date their application was officially received by the NTID Department of Career Outreach and Admissions.

If there is no space available in the program, students who qualify may:
- apply to another program of study
- take necessary mathematics, science, and communication courses until space becomes available in the program
- take a leave of absence until space becomes available in the program.

Students who do not qualify for a program of study may be required to take a basic skills/preparatory year of study as part of their curriculum.

Costs

The total cost of attending RIT under the sponsorship of NTID includes tuition, room, board, and academic fees. Tuition and fees for students are equal to the average charges for attending federal land grant colleges throughout the country. Charges to NTID-sponsored students will be updated every year. The fixed charges for the 1988-89 year follow:

Fixed Charges

	Summer Vestibule Program	Fall	All Other Quarters
Tuition	$ 473	$ 945	$ 945
Room	285	567	567
Board	292	646	646
Student Fees[1]		107	107
Orientation Fee[2]		40	
Orientation Room and Board Charge[3]		26	
	$1050	$2331	$2265

Required laboratory fees, books, and supplies will have an impact on these figures and are outlined on the following pages.

[1]The student fees are required of all full-time students. The fees include: Student Health ($30); Student Activities ($25); Athletic ($5); College Union ($45); and NTID Activities ($2).

[2]Charge to cover the cost of the Fall Orientation Program for freshmen and new students.

[3]Charge to cover the cost of the one-day orientation stay that precedes fall quarter registration for freshmen and new students.

The standard academic year includes the fall, winter, and spring quarters. New students accepted to the Summer Vestibule Program will be charged according to the fee schedule indicated above.

Students on co-op are not charged tuition or fees for that particular quarter, and will only be charged room and board and residence hall fees if they live on campus while they work.

All RIT students are required to carry accident and sickness insurance. Students may choose coverage through RIT at a cost of $136 for the 1988-89 year, or they may waive the coverage provided through RIT if they provide evidence of other coverage. Waiver cards will be sent to all students during the summer and will be available at registration.

Incidental personal expenses for students average $80-90 per month. This accounts for such things as local transportation, laundry and dry cleaning, toiletries, entertainment, and hearing aid batteries.

Laboratory Fees
(Per quarter for the 1988-89 academic year)

Applied Science/Allied Health Professions	
Medical Laboratory Technology	$50
Medical Record Technology	40
Optical Finishing Technology	40
Pre-Medical Laboratory Technology	40
Pre-Medical Record Technology	40
Pre-Optical Finishing Technology	40
Pre-Technical Science	45
Business Careers	
Applied Accounting	40
Business Occupations	40
Data Processing	40
Office Technologies	45
Engineering Technologies Careers	
Architectural Technology*	45-80
Civil Technology*	45-80
Electromechanical Technology	70
Industrial Drafting	55
Manufacturing Processes	70
Pre-Technical Engineering	25
Visual Communication Careers	
Applied Art	60
Photo/Media Technologies	75
Printing Production Technology	125

*$45 for first-year students; $80 for second- and third-year students.

Estimated Cost of Books and Supplies
The cost of books and supplies is the responsibility of the student. Estimated costs for normal progress in individual programs of study during the 1988-89 year are listed below. Because of the increasing costs of materials, students will find that books and supplies may cost more than shown here for each of the colleges at RIT.

Communication Courses	$ 180
Applied Science/Allied Health Professions (all majors)	235
Business Careers (all majors)	495
Engineering Technologies Careers (all majors)	500
Visual Communication Careen	
Applied Art'	525-800
Photo/Media Technologies	675
Printing Production Technology	200
College of Applied Science and Technology (all majors)	450
College of Business (all majors)	550
College of Engineering (all majors)	500
College of Fine and Applied Arts (all majors)	1600-2200
College of Graphic Arts and Photography	
School of Printing	500
School of Photographic Arts and Sciences (Film and Television, Illustration majors)	1600
College of Liberal Arts (all majors)	400
College of Science (all majors)	500

'$800 for first-year students; $525 for second- and third-year students.

Vocational Rehabilitation

1. Authorization for VR support **must** be on file with RIT's VR billing supervisor for NTID before registration. If the VR billing supervisor for NTID has not received authorization before registration, the student must either:
   a. obtain from his/her VR counselor a letter of commitment stating that the dollar amount is authorized and present it to the VR billing supervisor or
   b. be prepared to pay for the charges in question. If any authorization is received after the student has personally paid for these charges, a refund will be made to the student.
2. Students must pay all uncovered charges (charges not expected to be paid by VR) before the quarterly due date.
3. VR counselors should specify each charge that they assume on their authorization form.
4. Clarification regarding VR authorizations and/or billing procedures should be addressed to:

Rochester Institute of Technology
VR Billing Supervisor for NTID
Bursar's Office
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887

(716) 475-2080, 475-5489 (Voice)
475-2960 (TDD)

How To Pay

Fixed Charges
The Bursar's Office of RIT maintains student accounts and prepares quarterly bills of fixed charges. The bursar may allow or disallow any student's registration. Registration is based upon payment or non-payment of quarterly bills by due dates set by the bursar.

Quarterly Billing Statement
NTID students are mailed the "Quarterly Pre-Bill" approximately two weeks before the quarterly due date for the fall, winter, spring, and summer quarters. Students admitted to the Summer Vestibule Program (SVP) will receive a billing statement, and should send payment for tuition, room, and board directly to the Bursar's Office by the due date. The NTID/VR billing supervisor will be present at SVP registration to accept payments at that time.

12-Month Payment Plan
RIT offers a 12-month payment plan that combines the elements of a pre-payment/deferred payment plan. For further information regarding this plan, contact the NTID/VR Billing Department at (716) 475-2080, 475-5489 (Voice), 475-2960 (TDD).

Social Security Payment Plan
For students who receive SSI or SSD and are not able to pay the total amount due by the designated date, RIT may utilize a Social Security payment plan. Through this program, the balance due is divided equally into three monthly payments during the quarter. For further information regarding this plan, call the NTID/VR Billing Department at (716) 475-2080, 475-5489 (Voice), 475-2960 (TDD).

Books and Supplies
Books and supplies are available at Campus Connections, RIT's bookstore. Students without VR financial aid for course-related materials pay on a cash only basis at the bookstore. They should use the cash check-out line. Students may use MasterCard and Visa cards.

Students with VR or other financial aid for course-related materials use the Service Desk in the bookstore. A staff member will fill out an itemized purchase order.

Conditions for using itemized purchase order forms follow:

- Purchases may be made up to the amount authorized per quarter or per year. Amounts in excess of authorization will be cash-only purchases and the responsibility of the student.
- The authorization must be on record with the bookstore. If an authorization is forthcoming but not on record, the materials will be itemized, but the purchase will be by cash only and is the responsibility of the student. The student will be reimbursed upon receipt of VR authorization by the bookstore.

RIT Bookstore Recommendations Concerning Vocational Rehabilitation

To the Student

1. Be sure to tell your VR counselor to send authorization at least two weeks before the beginning of each quarter or year. Authorization should be sent directly to:

   Rochester Institute of Technology
   Campus Connections
   One Lomb Memorial Drive
   Post Office Box 9887
   Rochester, New York 14623-0887
2. Provide your VR counselor with the starting dates for each quarter.
3. Know how much money your VR counselor is authorizing. Purchases for more than the amount of the authorization must be paid in cash.
4. Tell your VR counselor that books and supplies must be authorized on a separate voucher. They should **not** be included on vouchers authorizing tuition, fees, etc.
5. If an authorization for books and supplies has not arrived by the start of classes of a given quarter, students should pay cash, and will be reimbursed by the bookstore upon receipt of VR authorization.

To the VR Counselor

1. Send authorization at least two weeks prior to the beginning of each quarter. Accounts will not be opened until authorizations are received.
2. If your client is attending the Summer Vestibule Program, his/her program of study will not be known until mid-August. Therefore, it is suggested that you authorize $200 for books and supplies for the fall quarter to enable the bookstore to open an account in time for your client's use during that quarter. After your client's program of study is known, you may submit an "Adjusted Authorization" to the bookstore.
3. Because per quarter costs vary greatly (fall quarter usually is the highest), it is suggested that authorizations be made for the year, rather than on a per quarter basis.
4. Authorizations for books and supplies for NTID-sponsored students at RIT must be sent directly to:

   Rochester Institute of Technology
   Campus Connections
   One Lomb Memorial Drive
   Post Office Box 9887
   Rochester, New York 14623-0887
5. The bookstore will send you an invoice for your client at the end of every quarter. You will receive signed receipts with the invoice to support the amount claimed. If your state requires special billed forms or vouchers, please include an ample supply with your authorization.
6. If a billing period falls within your fiscal year end, please indicate this on the authorization. The bookstore is more than willing to meet this need if it has sufficient notification.

Financial Aid

There are a variety of grant, loan, and other aid programs available to help students pay for their college education. The best way to find out about them is to check with the RIT Student Financial Aid Office.

The main objective of the Student Financial Aid Office is to help students and their parents plan for and meet the costs of attending NTID.

While students and parents are expected to contribute to college expenses as their resources permit, RIT's Student Financial Aid Office can be of special assistance to students whose funds are insufficient to meet the costs of attending NTID.

RIT's cooperative education programs offer participating students an opportunity to make a significant contribution to their total college expenses in addition to the valuable experience gained on the job.

Additionally, there are many part-time positions available, through the Student Employment Office, to help defray expenses.

Inquiries for all types of financial assistance should be directed to:

Rochester Institute of Technology
RIT/NTID Financial Aid Counselor
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887
(716) 475-2186 (Voice)
475-6909 (TDD)

NTID Grant-In-Aid

Federal Grant-In-Aid funds are the primary source of financial aid available for NTID students who do not have adequate financial resources from the sum of their parental or personal contribution and assistance from outside agencies.

Grant-In-Aid is awarded on the basis of financial need. Students must re-apply every year by completing the Financial Aid Form (FAF) and the NTID "In-House" application. The minimum amount awarded is $100, and the maximum amount is determined by the student's financial need.

Non-Residents
There are no additional charges or fees for NTID students coming from states other than New York.

To Apply for Aid
Students are encouraged to apply for financial aid. Students and their families should not try to decide by themselves if they qualify. It always is best to leave that decision to the Student Financial Aid Office and other agencies to which they have applied.

Denial of aid from one or more sources does **not** necessarily mean that students will be denied aid by all the sources to which they have applied.

Although applications for financial aid are not processed until students have been accepted, students should **not** wait until receiving notification of acceptance to file for financial aid. Students should apply for financial aid at the same time they are applying to NTID. They are urged to file financial aid applications between January 1 and March 1 of the year prior to entrance.

To be considered for financial aid offered through NTID, students must complete both the Financial Aid Form (FAF) and the NTID "In-House" financial aid application.

The FAF may be obtained from local high school guidance offices, local college financial aid offices, RIT's Student Financial Aid Office, or by writing directly to the College Scholarship Service, Post Office Box 176, Princeton, New Jersey 08540.

Once the FAF has been completed, it should be mailed to the College Scholarship Service, either in Princeton, New Jersey, or Berkeley, California, depending on the student's home state of residence. The complete address for each location of the College Scholarship Service is given on the front of the application booklet.

The NTID "In-House" financial aid application may be obtained from RIT's Student Financial Aid Office. Students receive this form in the acceptance packet.

This form should be returned directly to:

Rochester Institute of Technology
Student Financial Aid Office
One Lomb Memorial Drive
Post Office Box 9887
Rochester, NY 14623-0887

Freshmen and transfer students may expect notification of financial aid awards during April or May; returning upperclass students may expect award notification during June or July.

NTID awards financial assistance on the basis of need. Financial need is defined as the difference between the cost of education and the amount of money that the student has available from outside resources. The cost of education includes tuition, fees, room, board, books and supplies, personal expenses, and transportation. (Transportation expenses are based on the student's home state of residence.) Outside resources include the expected parental contribution based on income and assets, student's assets, support from VR, SSI/SSD benefits, outside grants, and scholarships.

NTID urges students to pursue all available sources of financial aid before deciding to borrow through the Guaranteed Student Loan Program.

Selection and Eligibility
To be awarded financial aid, an individual must be admitted as a matriculated student. NTID makes every effort to continue financial assistance to students each year, provided they remain in good academic standing and maintain satisfactory progress, file the required applications by the recommended deadlines, and demonstrate continued financial need.

Responsibilities
Recipients of financial aid from NTID are responsible for reporting any significant changes in their financial situation during the school year to the Director of Student Financial Aid, who will review and may revise the applicant's financial aid accordingly. Significant changes would include increases or decreases in VR support, SSI/SSD benefits, or receipt of an outside scholarship.

Standards of Satisfactory Progress for the Purpose of Determining Eligibility for New York State Student Aid

Before being certified for payment each quarter, students must have accrued a minimum number of credits with a specified cumulative grade point average, based on the degree level they are pursuing.

Certificate and Diploma Award — Quarter System

Before being certified for this payment	1st	2nd	3rd	4th	5th	6th
A student must have accrued at least this many credits	0	3	9	20	32	44
With at least this cumulative grade point average	0	.50	.75	1.00	1.20	1.30

Associate Degree — Quarter System

Before being certified for this payment	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
A student must have accrued at least this many credits	0	3	9	20	32	44	56	68	80
With at least this cumulative grade point average	0	.50	.75	1.00	1.20	1.30	1.40	1.60	1.80

Baccalaureate Degree — Quarter System

Before being certified for this payment	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	13th'	14th*	15th'
A student must have accrued at least this many credits	0	3	9	20	32	44	56	68	80	92	104	116	132	148	164
With at least this cumulative grade point average	0	.50	.75	1.00	1.20	1.30	1.40	1.50	1.60	1.65	1.70	1.75	1.80	1.85	1.90

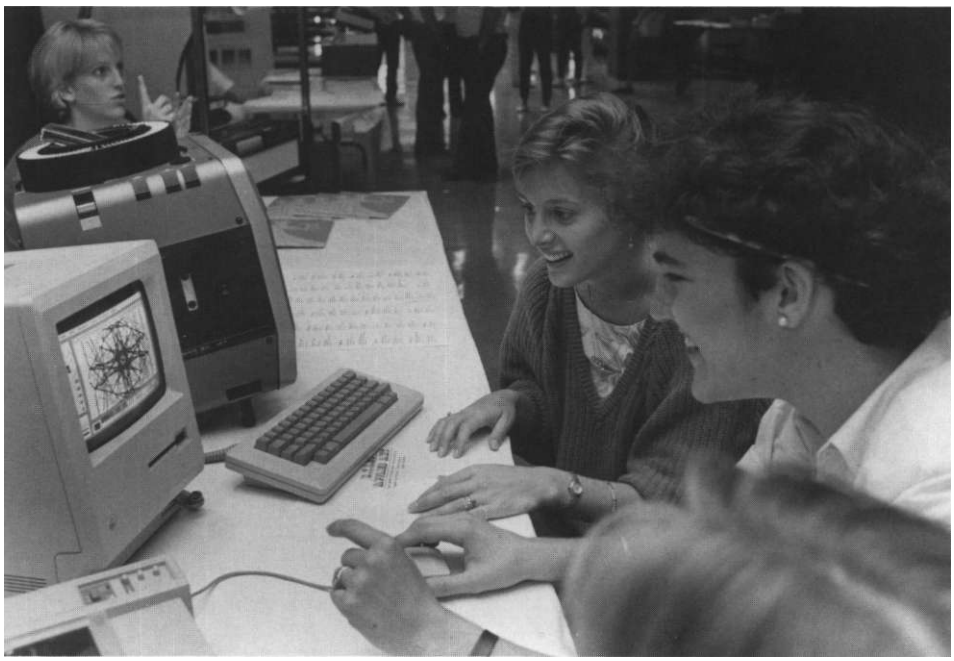
'Only students in the HEOP program at RIT are eligible for more than 12 quarters of undergraduate awards.

Financial Aid at a Glance

Program	Eligibility	Amount	Where to Apply	Repayment
Scholarships & Grants				
Pell Grant (Federal)	Undergraduate students who are pursuing their first bachelor's degree, in financial need, and attending postsecondary institutions	$150 to $2,100	File Financial Aid Form (FAF) requesting submission to Pell Grant or file separate Pell Grant application: Pell Grant, P.O. Box 4101, Iowa City, Iowa 52244.	No
Supplemental Educational Opportunity Grant (Federal)	College students of academic promise who are accepted for college study and who are in financial need	$100 to $4,000 per year	Through the use of the Financial Aid Form (FAF) for the college the student plans to attend. File the FAF between January 1 and March 1 (prior to next year of attendance).	No
SSI/SSD (Federal)	Determined by student's income, resources, and degree of disability	Varies	Social Security Administration	No
Grant-In-Aid (Federal)	College students who meet federally established need requirements due to insufficient support from outside sources	Minimum award is $100; maximum award varies.	File the Financial Aid Form (FAF) and the In-House Financial Aid Application of the college the student plans to attend.	No
Private Scholarships	Varies	Varies	High school guidance offices and public libraries	No
State Scholarships	Varies	Varies	State Department of Education of the student's home state	No
Work				
College Work-Study Program (Federal)	College students in full- and part-time degree programs who meet financial need requirements established by the federal government	Varies, depending on hours and wage rate.	Through the college the student plans to attend by use of the Financial Aid Form (FAF) and through the Student Employment Center	No

Loans				
Guaranteed Student Loan (Federal)	College students who meet financial eligibility requirements established by the federal government.	Up to $2,625 for first- and second-year undergraduates, and $4,000 for upper level undergraduates; up to $7,500 for graduate students. Cumulative limit for undergraduates is $17,250 and $54,750 for undergraduate and graduate work.	Local banks	Yes, repayment begins with interest six months after student leaves school or drops below half-time attendance.
National Direct Student Loan (Federal)	College students of academic promise who are accepted for college study and who are in financial need	Up to $4,500 for first two years of undergraduate study. Total undergraduate loans may not exceed $9,000.	Through the college the student plans to attend by use of the Financial Aid Form (FAF). File the FAF between January 1 and March 1.	Yes, repayment begins with interest six months after student leaves school or drops below half-time attendance.
Parent Loans for Undergraduate Students (PLUS)	Varies	Up to $4,000 per year for each financially dependent student; aggregate maximum of $20,000 for each child.	Local banks	Yes, repayment must start within 60 days of loan approval; must be paid within 10 years.
RIT Lincoln Supplemental Loan Program	Full-time undergraduate matriculated students whose families have educational expenses beyond the levels of funding available from other aid programs; subject to normal credit review guidelines	Minimum amount is $1,000 per year; maximum is $5,000 per year; cumulative maximum is $30,000.	Through the RIT Financial Aid Office	Yes, interest begins to accrue immediately, but repayment on principal is deferred until six months after student graduates.
Supplemental Higher Education Loan Financing Program (SHELF)	Parents or responsible adults; subject to normal credit review guidelines	Up to the cost of education less other financial aid; subject to fund availability.	Through the RIT Financial Aid Office	Yes, repayment commences immediately; must be paid within 15 years.
Supplemental Loan for Students (SLS)	Full- or part-time matriculated students, except dependent undergraduates.	Up to $4,000 per year; aggregate limits to $20,000.	Local banks.	Yes, repayment begins within 60 days of loan approval.
Payment Plans'				
RIT 12-Month Plan	Full- and part-time matriculated students enrolled in day college or NTID	Minimum annual amount is $1,200.	Through the RIT Bursar's Office; deadline is May 1.	First monthly payment by June 1 preceding the academic year in which it will be utilized.

'Other payment plans are available to qualified students. Entering students who have paid tuition deposits will receive detailed information about these plans before they enroll.



Summer Vestibule Program

The Summer Vestibule Program (SVP) is an orientation program as well as a vital learning experience for new NTID students.

During SVP, students learn about the various programs offered by NTID, while faculty and staff members learn about students' skills, abilities, and motivation. Through this mutual process, students gain more information about themselves, thus assisting their selection of an appropriate major in the fall.

SVP is the stepping stone for students to engage in the complex tasks of career awareness, decision making, adjustment to college life, and the assessment of academic skills and competencies.

An Admissions Committee reviews each student's credentials to determine if the Summer Vestibule Program is appropriate. While most students do attend SVP, there are some who are not required to attend based on clear career goals, previous college experience, and/or past academic performance. SVP students participate in a variety of activities, including program sampling, career planning, math and communication evaluation/assessment, and General Education seminars.

In Program Sampling, students get hands-on experience in several majors. Sampling includes classroom and lab projects, field trips to local industries, and interaction with instructors and alumni. Sampling experiences provide information about majors and job opportunities. The sampling faculty members also evaluate the SVP students' interests and their abilities to succeed in the programs. Students may sample a wide variety of options, including all technical programs offered by NTID as well as programs offered by Support Department faculty members who work with SVP students in the professional RIT bachelor's degree programs. Students participate in technical, social, and other educational experiences to help them select and succeed in the appropriate fall program.

In Career Planning seminars, students learn about decision making. Career development counselors help students relate their interests, abilities, and values to academic programs and occupations. Students combine sampling, test, and personal information to make career decisions and course selections for the fall quarter.

The Mathematics and Communication evaluation is a series of tests that are essential to the student's placement and selection of a major.

General Education seminars focus on important issues in college life and assist students in adjusting to a new and unique environment. Educational programs in the residence halls include self-governance programs, discussion groups, and special floor activities. Students learn about their reponsibilities as adults in a residential college setting and help establish rules that will govern their floors during SVP.

Students must satisfy the SVP requirements before they can apply and be offered acceptance to a major at the end of SVP. To do this, students must attend all classes, take all tests, follow rules and policies, and show responsible, mature behavior. While most students do complete SVP successfully, only motivated, serious SVP students will be allowed to continue at RIT in the fall quarter. SVP is hard work as well as a chance to grow and be challenged both personally and academically. While SVP has a serious purpose, it also offers opportunities for fun and recreation, including intramural sports, drama, camping, tennis, get-togethers, dances, picnics, swimming, captioned movies, and cultural activities.

Career Exploration

Some students are not ready to select a program of study (major) following the Summer Vestibule Program (SVP). These undecided students may participate in Career Exploration.

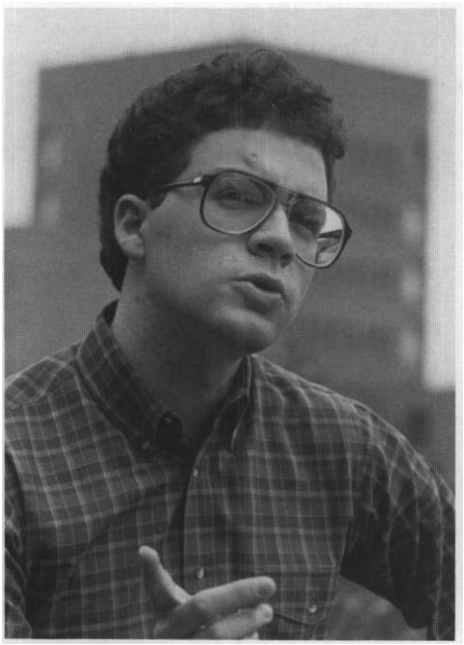
Career Exploration gives students extra time to do intensive career searches and to gain an understanding of themselves as individuals. This is done through career and personal counseling, decision-making classes, field trips, sampling of various programs, and interpretation of interest, aptitude, and achievement testing.

Career Exploration students also take courses in mathematics, English, general education, liberal arts, physical education, and communication.

Students who choose Career Exploration are allowed from one to three quarters to decide on a major. Students must write a career exploration plan explaining what they will do each quarter.

The Undergraduate Programs of RIT Offered by NTID

Students can choose from many programs available in each of the nine colleges of RIT. The following table shows all academic programs designed for deaf RIT students that are officially registered with the New York State Department of Education, and their Higher Education General Information Survey (HEGIS) codes.

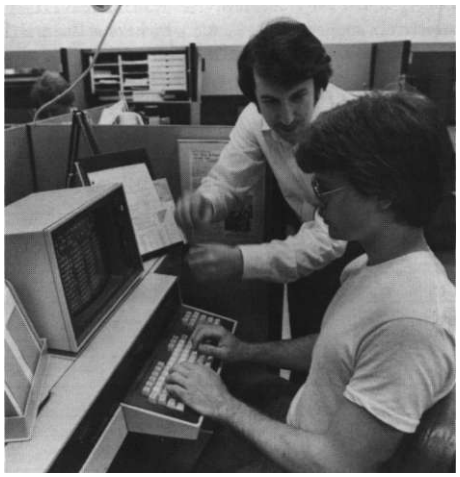


	Degree and HEGIS Code			
	Certificate	**Diploma**	**A.O.S.**	**A.A.S.**
School of Business Careers				
Applied Accounting		5002		5002
Business Occupations	5005			
Business Technology			5004	
Data Processing	5101	5101		5101
Office Technologies		5005		5005
School of Science and Engineering Careers				
Architectural Drafting		5304		
Architectural Technology				5304
Civil Technology				5309
Electromechanical Technology				5311
Histologic Assistant	5205			
Industrial Drafting		5303		
Industrial Drafting Technology			5303	5303
Manufacturing Processes		5312		
Medical Laboratory Technology				5205
Medical Record Technology				5213
Ophthalmic Optical Finishing Technology			5212	
Optical Finishing Technology	5212	5212		5212
School of Visual Communication Careers				
Applied Art	5012	5012		5012
Photo/Media Technologies	5007	5007		5007
Printing Production Technology	5009	5009		5009
Support Services for the Hearing Impaired				
Educational Interpreting				5506

Undergraduate and graduate degrees available to NTID-sponsored students in the other eight colleges of RIT include associate in applied science (A.A.S.), bachelor of fine arts (B.F.A.), bachelor of science (B.S.), bachelor of technology (B. Tech.), master of business administration (M.B.A.), master of engineering (M.E.), master of fine arts (M.F.A.), master of science (M.S.), and master of science in teaching (M.S.T.).

	A.A.S.	B.F.A.	B.S.	B.Tech.	M.B.A.	M.E.	M.F.A.	M.S.	M.S.T.
College of Applied Science and Technology									
Audiovisual Communications									
Civil Engineering Technology				•					
Computer Engineering Technology	•		•						
Computer Science	•		•					•	
Electrical Engineering Technology				•					
Energy Engineering Technology				•					
Food Management	•		•						
General Dietetics and Nutritional Care	•		•						
Hospitality/Tourism									
Hotel & Restaurant Management	•		•						
Instructional Technology								•	
Manufacturing Engineering Technology				•					
Mechanical Engineering Technology				•					
Packaging Science			•					•	
Software Development Management								•	
Travel Management	•		•						
College of Business									
Business Administration					•				
Business Administration — Accounting			•		•				
Business Administration - Finance			•						
Business Administration - Information Systems			•						
Business Administration — International Business			•						
Business Administration — Management									
Business Administration - Manufacturing and Materials Management			•						
Business Administration - Marketing			•						
Business Administration - Personnel and Human Resource Management			•						
Business Administration - Photographic Marketing Management			•						
Business Administration - Retail Management			•						
College of Engineering									
Computer Engineering			•						
Electrical Engineering			•			•		•	
Industrial Engineering			•						
Master of Engineering (8 options)						•			
Mechanical Engineering			•			•		•	
Microelectronic Engineering			•						

	A.S.	A.A.S.	B.F.A.	B.S.	B. Tech.	M.B.A.	M.E.	M.F.A.	M.S.	M.S.T.
College of Fine and Applied Arts										
Art Education										•
Ceramics/Ceramic Sculpture			•					•		•
Computer Graphics Design								•		
Double Craft Major			•							
Fine Arts - Medical Illustration			•					•		
Fine Arts - Painting			•					•		•
Fine Arts - Painting/Illustration Option				•						
Fine Arts - Printmaking		•	•					•		•
Fine Arts - Printmaking/ Illustration Option		•		•						
Glass		•	•					•		•
Graphic Design		•	•					•		•
Industrial and Interior Design		•	•							•
Metalcrafts and Jewelry		•	•							•
Packaging Science - Design										
Weaving and Textile Design		•	•							•
Woodworking and Furniture Design		•	•					•		•
College of Graphic Arts and Photography										
Biomedical Photographic Communications		•								
Color Science, Appearance, and Technology										
Film and Video		•		•						
Graphic Arts Publishing									•	
Graphic Arts Systems									•	
Imaging and Photographic Technology		•								
Imaging Arts								•		
Imaging Science		•							•	
Newspaper Production Management				•						
Photographic Processing and Finishing Management		•		•						
Printing				•						
Printing and Applied Computer Science				•						
Printing Education									•	•
Printing Systems Engineering				•						
Printing Technology									•	
Professional Photographic Illustration		•	•							
College of Liberal Arts										
Criminal Justice				•						
Economics										
Professional and Technical Communication				•						
School Psychology									•	
Social Work				•						



College of Science				
Applied Mathematics	•	•		
Applied Statistics	•	•		
Biology	•	•		
Biomedical Computing		•		
Biotechnology		•		
Chemistry		•	•	
Clinical Chemistry				
Computational Mathematics	•	•		
Diagnostic Medical Sonography		•		
Materials Science and Engineering			•	
Medical Technology		•		
Nuclear Medicine Technology		•		
Physics	•	•		
Polymer Chemistry		•		

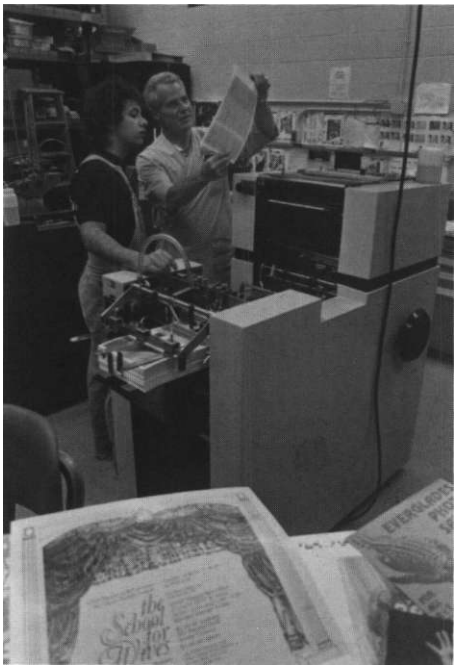
Career Preparation

Career preparation means that all aspects of an education are designed to prepare students for successful careers. As a comprehensive institution of higher education, NTID at RIT offers career preparation in three related areas:

Career Development Programs
Career Development Programs are designed to meet the increasing demand for technicians, semi-professionals, and other persons for employment in industry, business, government, and the professions. Students can prepare for careers in business, computer science, engineering, health sciences, fine and applied art, printing, photography, media production, and public service.

General Education
General Education helps students learn more about themselves and the world around them through courses in language, literature, humanities, and natural and social sciences. All curricula include appropriate general education courses. General education also includes extracurricular activities such as residence programs, community service, outdoor education, and student leadership.

Communication
Communication experiences for NTID students develop and refine their skills in reading, writing, listening, speaking, speechreading, and manual/simultaneous communication.



Technical Education

Preparing for a technical career requires specialized training called technical education. Technical education involves study and other training that teaches special skills. These skills prepare students to become specialists in areas such as business, applied art, engineering, photography, and medical technology.

People with a technical education work in many places, including business and industry, government, education, or hospitals and labs.

Technical education at NTID is **not** a vocational or trade school education. Technical careers require advanced education and special knowledge. The technical programs at NTID lead to the following degree levels.

Certificate
This level includes planned programs of technical instruction that usually consist of 45-60 credit hours. These programs allow students to acquire a minimum level of technical skill before entering the work force. In addition to technical courses, students are required to complete specified credit hours of General Education and Communication courses.

Diploma
This level includes planned programs of technical instruction of 90-135 credit hours. This provides students with a maximal level of technical competency for entry-level positions and minimal attainment in the field of General Education. In addition to 60-100 credit hours of technical courses, students must complete specified credit hours of General Education and Communication courses.

Associate in Occupational Studies Degree
This level includes planned programs that permit students, upon completion, to enter their career directly. This program level provides from 100-140 credit hours of instruction. In addition to completing all technical courses satisfactorily, students must complete 20 credit hours of General Education courses, and specified credit hours of Communication courses.

Associate in Applied Science Degree
This level includes planned programs that permit students, upon completion, to enter their career directly or to transfer to upper division programs in a college of their choice. This program level provides from 115-118 credit hours of instruction. In addition to completing all technical courses satisfactorily, students must complete 20 credit hours of Liberal Arts courses, nine credit hours of required General Education courses, and approximately 20 credit hours of Communication courses.

Pre-Technical Programs

Students admitted to RIT through NTID come from a variety of educational backgrounds. Sometimes, students show talent and interest in a technical level program but do not have all the necessary skills to begin the program of study. Therefore, some NTID technical departments have established pre-technical programs.

Pre-technical programs help students build their basic skills in mathematics, science, English, and general education before starting their technical courses. Pre-technical programs are different in each career area. A program may take from one to three quarters to complete. It may have a fixed curriculum or it may be designed to meet the needs of individual students.

Not all technical programs have pre-technical programs. Some departments build basic mathematics, science, and technical skills into their regular curriculum.

Course Prerequisites

A prerequisite is a requirement that must be met before a student is admitted into a course. A prerequisite may be a specific high school course, another NTID course, or a demonstrated proficiency. Prerequisites may be waived on the basis of proficiency testing and/or the recommendation of an appropriate faculty member or department chairperson.

All students at the Institute are expected to demonstrate proficiency in basic communication, mathematics, and reading skills necessary to succeed in college-level courses. During preregistration counseling sessions, these skills may be evaluated by considering such things as previous educational records and results of assessment testing that may be administered by the Institute.

Courses must be taken in sequence according to prerequisites; courses taken out of sequence must be approved by the appropriate department chairperson.

Cross Registration

Qualified deaf students may study in any of the other colleges of RIT. They may take selected courses in these colleges, or they may enroll in programs at the colleges. These students are called cross registered.

There are a variety of situations in which students choose to cross register. These include taking selected courses at another RIT college as part of electives in their NTID program; completing their program of study at NTID, then continuing their education at another RIT college; entering a program at another RIT college directly after finishing high school; and transferring directly into an RIT program from another college.

To enroll in a program of study in another RIT college, a student meets with professors of the department of interest and a member of the NTID educational support team assigned to the college of his/her choice. The final decision on admission to a program in another college of RIT is made by personnel in the college in which the student seeks enrollment.

NTID students cross registered in courses in another RIT college have available to them the support services of interpreters, tutors, notetakers, speech and hearing specialists, and counselors.

Independent Study Courses

Occasionally, a student is interested in an area or topic within a program option that is not required within that option. The purpose of Independent Study courses at NTID is to allow students to study in these areas. The decision to take an Independent Study course must be made jointly by the student and the instructor. By working together, an identifiable area of study may be agreed upon for which the student may receive credit toward the degree or certificate. The Independent Study course must be approved by the faculty member and department chairperson.

Special Topics Courses

Students also may explore topics of special interest in areas not offered through existing courses. Departments usually offer a special topics course on an experimental basis to see how relevant, appropriate, beneficial, or feasible such a course might be. One to five quarter credit hours may be assigned for a special topics course.

School of Business Careers
Business Careers

Opportunities for employment in business and industry increase daily. Business Careers programs respond to industry's need for people skilled in operating office equipment, keeping financial records, performing clerical duties, and using computers.

Students may choose a certificate program in Business Occupations or an A.O.S. program in Business Technology, as well as diploma and A.A.S. degree programs in Office Technologies and/or Applied Accounting.

Other RIT Programs
Other business programs are available in the College of Applied Science and Technology and the College of Business. The Business/Computer Science Support Department assists students cross registered in these colleges.

Pre-Technical Program
None

Applied Accounting

The Applied Accounting program offers a diploma and an A.A.S. degree. This program provides graduates with a basic knowledge of office technologies and general and cost accounting systems. Job experience projects familiarize students with data-entry techniques, computer applications, and payroll procedures.

On-the-job Responsibilities
Use computers to maintain and reconcile various financial records, verify business records, and perform other clerical and administrative duties.

Places of Employment
Business, industry, government, and self-employment

Applied Accounting
Diploma Program

Positions for Which Graduates Qualify
Accounts receivable/payable clerk, payroll clerk, general office clerk, file clerk, record-keeping clerk, and data-entry clerk

Prerequisites
- Successful completion of certificate in Business Occupations
- Grade of C or better in General Accounting I and General Accounting II

Approximate Time
7 quarters

Applied Accounting: Diploma

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-120	Basic Mathematics	3
0847-101	Job Search Process	1
	English	4
		16

Winter Term

		Cr. Hrs.
0804-110	Business English	3
0804-112	Beginning Typing II	2
0804-212	Business Procedures II	3
0847-100	Freshman Seminar	2
	Communication	2
	English	4
	Physical Education	0
		16

Spring Term

		Cr. Hrs.
0804-113	Beginning Typing III	2
0804-213	Business Procedures III	3
0817-140	Fundamentals of College Mathematics I	3
	Communication	2
	English	4
	Physical Education	0
		14

Summer

0801-299	Co-op Work Experience

Second Year

0801-201	General Accounting I	3	0801-202	General Accounting II	3	0801-251	Applied Accounting I	4
0804-221	Advanced Typing I	3	0802-210	Data Processing for Business Occupations (Accounting)	3	0804-286	Fundamentals of Marketing or	3
0804-284	Fundamentals of Management	3		General Education Course Elective	2	0847-147	Law and Society	2
0817-141	Fundamentals of College Mathematics II	3		Communication	2	0847-102	Life After College	1
	Communication	2		English	4		General Education Course Elective (optional)	2
	English	4			14		Communication	2
	Physical Education	0					English Elective	4
		18						13-16

Applied Accounting
A.A.S. Degree Program

Positions for Which Graduates Qualify

Junior accounting technician, cost accounting clerk, accounts receivable/payable clerk, payroll clerk, general accounting clerk, and microcomputer accounting clerk

Prerequisites

- Successful completion of diploma in Applied Accounting
- Grade of C or better in all Accounting courses

Approximate Time

11 quarters

Applied Accounting: AAS. Degree

Typical Course Sequence

First Year

Fall Term	Cr. Hrs.	Winter Term	Cr. Hrs.	Spring Term	Cr. Hrs.
0804-101 Orientation to Business	3	0804-110 Business English	3	0804-113 Beginning Typing III	2
0804-111 Beginning Typing I	2	0804-112 Beginning Typing II	2	0804-213 Business Procedures III	3
0804-211 Business Procedures I	3	0804-212 Business Procedures II	3	0817-140 Fundamentals of College Mathematics I	3
0817-120 Basic Mathematics	3	0847-100 Freshman Seminar	2	Communication	2
0847-101 Job Search Process	1	Communication	2	English	4
English	4	English	4	Physical Education	0
	16	Physical Education	0		14
			14		

Summer

0801-299 Co-op Work Experience

Second Year

0801-201 General Accounting I	3	0801-202 General Accounting II	3	0801-251 Applied Accounting I	4
0804-221 Advanced Typing I	3	0802-210 Data Processing for Business Occupations (Accounting)	3	0804-286 Fundamentals of Marketing	3
0804-284 Fundamentals of Management	3	General Education Course Elective	2	0817-142 Fundamentals of College Mathematics III	3
0817-141 Fundamentals of College Mathematics II	3	Communication	2	Liberal Arts	4
Communication	2	English	4	Communication	2
English	4		14		16
Physical Education	0				
	18				

Summer

0801-299 Co-op Work Experience

Third Year

0801-252 Applied Accounting II	4	0801-231 Economics I	3	0801-232 Economics II	3
Liberal Arts	4	0801-253 Applied Accounting III	4	0801-254 Applied Accounting IV	4
Liberal Arts	4	0847-147 Law and Society	2	0801-260 Applied Accounting Techniques	2
	12	Liberal Arts	4	0847-102 Life After College	1
			13	Liberal Arts	4
				General Education Course Elective	2
					16

Business Occupations

This program combines basic business office skills with an introduction to data entry concepts.

Places of Employment
Business, industry, government, and educational institutions

Business Occupations
Certificate Program

On-The-Job Responsibilities
Type business communications, operate electronic calculators, maintain files, keep basic payroll records, enter and retrieve data on computer terminals, and use electronic mail and basic word processing skills on a personal computer.

Positions for Which Graduates Qualify
General office clerk, file clerk, record-keeping clerk, data-entry clerk, and payroll records clerk

Prerequisite
None

Approximate Time
6 quarters

Business Technology

The Business Technology A.O.S. Degree Program includes technical coursework in accounting, computers, payroll, general office skills, and word processing/information processing skills.

The A.O.S. degree program is a non-transfer occupational program with primary emphasis on preparation for immediate employment.

Places of Employment
Business, industry, schools, and government

C.O.R.E. Certificate Program — Business Occupations

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-120	Basic Mathematics	3
0847-101	Job Search Process	1
	Communication	2
	English	4
		~~15

Winter Term

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-112	Beginning Typing II	2
0804-212	Business Procedures II	3
0847-100	Freshman Seminar	2
	Communication	2
	English	4
		16

Spring Term

		Cr. Hrs.
0804-110	Business English	3
0804-113	Beginning Typing III	2
0804-213	Business Procedures III	3
	Communication	2
	English	4
	Physical Education	0
		14

Summer

0804-299 Co-op Work Experience

Second Year

		Cr. Hrs.
0804-221	Advanced Typing I	3
0847-147	Law and Society	2
	Communication	2
	English	4
	General Education Course Elective* or Business Elective"	2
		13

		Cr. Hrs.
0804-222	Advanced Typing II	3
0847-102	Life After College	1
	Communication	2
	English	4
	General Education Course Elective*	2
		12

'Recommended General Education Courses for Business Majors

		Cr. Hrs.
0847-106	Personal Finance	2
0847-110	Personal Development	2
0847-126	Leadership Development	2
0847-129	Assertiveness Training	2
0847-162	The World of Work	1
0847-163	Interpersonal Relationships on the Job	2

*'Recommended Business Electives

		Cr. Hrs.
0801-201	General Accounting	3
0804-284	Fundamentals of Management	3
0804-286	Fundamentals of Marketing	3

Business Technology
A.O.S. Degree Program

On-the-job Responsibilities
Input, manipulate and retrieve data; use interaction software, electronic mail, and information processing skills; and use computers to mainframe and reconcile various financial records.

Positions for Which Graduates Qualify
General office clerk, clerk/typist, accounts receivable/payable clerk, payroll records clerk, word processing technician, cost accounting clerk, and microcomputer accounting clerk

Prerequisite
- Appropriate English language ability as defined by the A.O.S. Guidelines for English Language Skills

Approximate Time
11 quarters

Business Technology: A.O.S. Degree

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-120	Basic Mathematics	3
0847-101	Job Search Process	1
	Communication	2
	English	4
		16

Winter Term

		Cr. Hrs.
0804-110	Business English	3
0804-112	Beginning Typing II	2
0804-212	Business Procedures II	3
0847-100	Freshman Experience	2
	Communication	2
	English	4
	Physical Education	0
		16

Spring Term

		Cr. Hrs.
0804-113	Beginning Typing III	2
0804-213	Business Procedures III	3
0817-140	Fundamentals of College Mathematics I	3
	Communication	2
	English	4
	Physical Education	0
		14

Continued on next page

Office Technologies

The Office Technologies program offers a diploma and an A.A.S. degree. It provides students with a background in developing keyboarding speed and accuracy and in producing business communications using electric typewriters and microcomputer equipment. Special emphasis is placed on the development of information processing skills at the associate level. In addition, the program emphasizes acquisition of general office skills and procedures and provides an introduction to general accounting activities.

On-the-job Responsibilities
Input, manipulate, and retrieve data; use interactive software, electronic mail, and information processing skills such as word processing, records processing, and database; and perform other office duties.

Places of Employment
Business, industry, schools, and government

Office Technologies
Diploma Program

Positions for Which Graduates Qualify
Clerk/typist, typist, correspondence typist, accounts receivable/payable clerk, general office clerk, file clerk, recordkeeping clerk, data-entry clerk, and payroll records clerk

Prerequisites
- **Successful completion of certificate in Business Occupations**
- **Grade of C or better in all typing courses**

Approximate Time
7 quarters

Business Technology: A.O.S. Degree (continued)

Summer

0801-299 Co-op Work Experience

Fall Term

Second Year

0801-201	General Accounting I	3
0804-221	Advanced Typing	3
0804-284	**Fundamentals of Management**	3
0817-141	**Fundamentals of College Mathematics II**	3
	English	4
		16

Winter Term

0801-202	General Accounting II	3
0802-210	**Data Processing for Business Occupations**	3
0862-144	**Clear Thinking and Writing**	4
	Communication	2
		12

Spring Term

0801-251	Applied Accounting I	4
0804-301	Word Processing I	4
0862-189	Professional Writing	3
	General Education	3
		14

Summer

0801-299 Co-op Work Experience

Third Year

0801-252	Applied Accounting II	4
0804-302	Word Processing II	4
0847-147	Law and Society	3
0847-166	**The Human Experience: An Individual Life**	4
		15

0801-253	Applied Accounting III	4
0804-291	**Applied Business Techniques**	2
0847-167	**The Human Experience: The Individual and Society**	4
	Communication	2
		12

0801-260	**Applied Accounting Techniques**	2
0804-286	**Fundamentals of Marketing**	3
0847-102	Life After College	1
0847-168	**The Human Experience: The Individual and Technology**	4
	Communication	2
		12

Office Technologies: Diploma

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0804-101	**Orientation to Business**	3
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-120	Basic Mathematics	3
0847-101	Job Search Process	1
	English	4
		16

Winter Term

		Cr. Hrs.
0804-112	Beginning Typing II	2
0804-212	Business Procedures II	3
0817-140	**Fundamentals of College Mathematics I**	3
0847-100	Freshman Seminar	2
	Communication	2
	English	4
	Physical Education	0
		16

Spring Term

		Cr. Hrs.
0804-110	Business English	3
0804-113	Beginning Typing III	2
0804-213	**Business Procedures III**	3
	Communication	2
	English	4
	Physical Education	0
		14

Summer

0804-299 Co-op Work Experience

Second Year

0801-201	General Accounting I	3
0804-221	Advanced Typing I	3
0804-284	Fundamentals of Management	3
	Communication	2
	English	4
		15

0801-202	General Accounting II	3
0802-210	Data Processing for Business Occupations	3
0804-222	Advanced Typing II	3
	Communication	2
	English	4
	Physical Education	0
		15

0804-230	Office Technologies Seminar	2
0804-286	Fundamentals of Marketing	3
	or	
0847-147	Law and Society	2
0804-301	Word Processing I	4
0847-102	Life After College	1
	Communication	2
	English Elective	4
	General Education Course Elective	2

Office Technologies
A.A.S. Degree Program

Positions for Which Graduates Qualify
Word processing technician, clerk/typist, typist, correspondence typist, accounts receivable/payable clerk, general office clerk, file clerk, recordkeeping clerk, data-entry clerk, and payroll records clerk

Prerequisites
- Successful completion of diploma in Office Technologies
- Grade of C or better in all typing and word processing courses

Approximate Time
11 quarters

Office Technologies: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0804-101	Orientation to Business	3	0804-112	Beginning Typing II	2	0804-110	Business English	3
0804-111	Beginning Typing I	2	0804-212	Business Procedures II	3	0804-113	Beginning Typing III	2
0804-211	Business Procedures I	3	0817-140	Fundamentals of College Mathematics I	3	0804-213	Business Procedures III	3
0817-120	Basic Mathematics	3	0847-100	Freshman Seminar	2	0817-141	Fundamentals of College Mathematics II	3
0847-101	Job Search Process	1		Communication	2		Communication	2
	English	4		English	4		English	4
		16		Physical Education	0		Physical Education	0
					16			17

Summer

0804-299 Co-op Work Experience

Second Year

0804-201	General Accounting I	3	0801-202	General Accounting II	3	0804-230	Office Technologies Seminar	2
0804-221	Advanced Typing I	3	0802-210	Data Processing for Business Occupations	3	0804-286	Fundamentals of Marketing	3
0804-284	Fundamentals of Management	3	0804-222	Advanced Typing II	3	0804-301	Word Processing I	4
	Communication	2		Communication	2		Communication	2
	English	4		English	4		Liberal Arts	4
		15		Physical Education	0			15
					15			

Summer

0804-299 Co-op Work Experience

Third Year

0804-302	Word Processing II	4	0804-303	Word Processing III	4	0804-291	Applied Business Techniques	2
0847-147	Law and Society	2		Liberal Arts	4	0804-304	Word Processing IV	4
	General Education Course Elective	2		Liberal Arts	4	0847-102	Life After College	1
	Liberal Arts	4			12		General Education Course Elective	2
		12					Liberal Arts	4
								13

Other RIT Programs in Business

College of Business

Business Administration
This program provides business basics in accounting, management, mathematics, economics, computer science, and behavioral science. A master of business administration program gives students a foundation common to profit and non-profit organizations.
Degree granted: M.B.A.

Business Administration — Accounting
Accounting majors have options in public and general accounting. The public accounting option offers training for careers as Certified Public Accountants (CPAs), who may work for accounting firms or set up their own companies.

The general accounting option provides the foundation for careers with corporate commercial lending institutions or municipal organizations.
Degrees granted: B.S., M.B.A.

Business Administration — Finance
The tremendous growth in the financial services area affords finance majors great career potential, including positions with brokerage firms or in corporate finance departments, banking, insurance/investment companies, government, law, and health care services.
Degree granted: B.S.

Business Administration — Information Systems
Information Systems prepares students for careers in the development and management of computerized information systems. Students are thoroughly trained in business applications and systems analysis and design. They also take courses in management principles and functional areas of business, including marketing, operations management, accounting, and finance.
Degree granted: B.S.

Business Administration — International Business
The International Business co-major has been designed to meet the growing interest of American business in global markets. This major is open to students in marketing management or finance as a coordinated field of study.

Degree requirements for the program include liberal arts courses, language courses, business core courses, international business courses, functional major in marketing management or finance, and nine months of foreign work experience or work experience in an international department of a domestic firm.
Degree granted: B.S.

Business Administration — Management
Students choosing to major in Business Management may select an option in general or small business management. Students who pursue business management at RIT will receive generalized business preparation with courses in the functional areas of business as well as courses in communication and interpersonal skills.
Degree granted: B.S.

Business Administration — Manufacturing and Materials Management
This program prepares graduates for entry-level positions in manufacturing and materials management. The curriculum is based on the educational needs of professionals in the fields of production and inventory management, purchasing management, and quality assurance.
Degree granted: B.S.

Business Administration — Marketing
Marketing, one of the cornerstones of modern business, is a steady source of employment for business graduates. RIT's curriculum provides an understanding of specific marketing functions, as well as of business in general. Customer behavior, market research techniques, and business problem solving are emphasized.
Degree granted: B.S.

Business Administration — Personnel and Human Resource Management
Coursework in the Personnel and Human Resource Management major prepares students to establish salary and classification plans, conduct labor negotiations, develop training programs, and oversee employee compensation and motivation systems.
Degree granted: B.S.

Business Administration — Photographic Marketing Management
The Photographic Marketing Management major is a joint degree program offered by the Center for Retail Management and the School of Photographic Arts and Sciences in RIT's College of Graphic Arts and Photography. It is designed to provide students with a thorough knowledge of the photographic process and a solid background in business. The combination of coursework in these disciplines prepares students for multifaceted management careers in the photographic industry.
Degree granted: B.S.

Business Administration — Retail Management
The retail management major is an industry-oriented field of study. It focuses the managerial skills that students acquire in the business core curriculum on specific management issues and problems faced in the contemporary retail industry.

The retail management major, like the industry, is broadbased. Students may design a customized curriculum to prepare for a managerial career in any area of the industry.
Degree granted: B.S.

Computer Careers

Careers in which computers are used are increasing every day. Computers are an important part of business, industry, and other parts of the economy. Computer careers involve operating computers or writing programs that direct the computer to solve a problem.

Students may choose certificate, diploma, and A.A.S. degree programs in Data Processing.

Other RIT Programs
Other computer programs are available in the College of Applied Science and Technology and the College of Business. The Business/Computer Science Support Department assists students cross registered in these colleges.

Data Processing

On-the-job Responsibilities
Certificate and Diploma: Work in the computer operations area controlling computers or in a variety of operations-related support areas.
A.A.S. Degree Program: Work as a console operator and full computer operator; work as basic entry-level programmer trainee. Major concentration is in computer operations.

Places of Employment
Banks, insurance companies, large stores, manufacturing companies, public utilities, government agencies, and other data processing centers

Pre-Technical Program
None

Prerequisite
- Grade of C or better in all required technical courses

Data Processing
Certificate Program

Positions for Which Graduates Qualify

Support areas of computer operations such as data control, librarian functions, or peripheral equipment operator

Prerequisites

- Successful completion of a sampling experience in the Data Processing area, either through the Summer Vestibule Program or a departmental sampling program
- Students with Michigan Test scores under 55 or who have weak mathematic skills may have difficulty in this program.

Approximate Time

5 quarters

Data Processing: Certificate

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0802-100	Introduction to Data Processing	2
0802-157	Beginning Computer Operations	1
0802-158	Laboratory	1
0817-140	Fundamentals of College Mathematics I	3
0847-101	Job Search Process	1
	Communication	2
	English	'1
		14

Winter Term

		Cr. Hrs.
0802-170	Utilities/JCL for Computers	2
0804-101	Orientation to Business	3
0817-141	Fundamentals of College Mathematics II	3
0847-100	Freshman Seminar	2
	English	4
		14

Spring Term

		Cr. Hrs.
0802-101	Introduction to Business Programming	3
0802-161	Business Computers Systems Facilities	2
0847-102	Life After College	1
	Communication	2
	English	4

Summer

0802-299 Co-op Work Experience

Second Year

		Cr. Hrs.
0802-125	Data Processing Technical Communications	2
0802-162	Computer Console Operations	1
0817-142	Fundamentals of College Mathematics III	3
	Business Elective	2
	Communication	2
	English	4
	Physical Education	0
		14

Data Processing
Diploma Program

Positions for Which Graduates Qualify

Computer operator trainee and peripheral equipment operator

Prerequisites

- Successful completion of a sampling experience in the Data Processing area, either through the Summer Vestibule Program or a departmental sampling program
- Students with Michigan Test scores under 55 or who have weak mathematic skills may have difficulty in this program.

Approximate Time

7 quarters

Data Processing: Diploma

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0802-100	Introduction to Data Processing	2
0802-157	Beginning Computer Operations	1
0802-158	Laboratory	1
0817-140	Fundamentals of College Mathematics I	3
0847-101	Job Search Process	1
	Communication	2
	English	4
		14

Winter Term

		Cr. Hrs.
0802-125	Data Processing Technical Communications	2
0802-170	Utilities/JCL for Computers	2
0804-101	Orientation to Business	3
0847-100	Freshman Seminar	2
	Communication	2
	English	4
		15

SpringTerm

		Cr. Hrs.
0802-101	Introduction to Business Programming	3
0802-161	Business Computer Systems Facilities	2
0802-171	Computer Architecture	1
0817-141	Fundamentals of College Mathematics II	3
	Communication	2
	English	4
		15

Summer

0802-299 Co-op Work Experience

Second Year

		Cr. Hrs.
0802-120	On-Line Processing/ Programming	2
0802-162	Computer Console Operations	1
0817-142	Fundamentals of College Mathematics III	3
	Business Elective	3
	English	4
	Physical Education	0
		13

		Cr. Hrs.
0802-230	Business COBOL I	3
0802-260	System Generation for Operators	1
0802-261	Laboratory	2
	Business Elective	3
	Communication	2
	English	4
	Physical Education	0
		15

		Cr. Hrs.
0802-231	Business COBOL II	3
0802-250	Multiprogramming/ Spooling for Operators	2
0802-251	Laboratory	1
0847-102	Life After College	1
	Business Elective	2
	Communication	2
	Mathematics Elective	3
		14

Data Processing: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0802-100	Introduction to Data Processing	2	0802-125	Data Processing Technical Communications	2	0802-101	Introduction to Business Programming	3
0802-157	Beginning Computer Operations	1	0802-170	Utilities/JCL for Computers	2	0802-161	Business Computer Systems Facilities	2
0802-158	Laboratory	1	0817-141	Fundamentals of College Mathematics II	3	0804-101	Orientation to Business	3
0817-140	Fundamentals of College Mathematics I	3	0847-100	Freshman Seminar	2	0817-142	Fundamentals of College Mathematics III	3
0847-101	Job Search Process	1		English	4		Communication	2
	Communication	2		Physical Education	0		English	4
	English	4			11			17
		14						

Summer

0802-299 Co-op Work Experience

Second Year

0802-120	On-Line Processing/ Programming	2	0802-171	Computer Architecture	1	0802-231	Business COBOL II	3
0802-162	Computer Console Operations	1	0802-230	Business COBOL I	3	0802-250	Multiprogramming/ Spooling for Operators	2
	Business Elective	3		Business Elective	3	0802-251	Laboratory	1
	English	4		Communication	2		Communication	2
	Mathematics Elective	3		English	4		Liberal Arts	4
	Physical Education	0		Physical Education	0		Mathematics Elective	3
		13			13		Physical Education	0

Summer

0802-299 Co-op Work Experience

Third Year

0802-260	System Generation for Operators	2	0802-240	Assembler Language Programming	3	0847-102	Life After College	1
0802-261	Laboratory	1	0802-262	Advanced Operating Systems	2		Communication	2
0817-163	Data Processing Mathematics	3	0802-263	Laboratory	1		Liberal Arts	4
	Communication	2		Business Elective	3		Liberal Arts	4
	Liberal Arts	4		Liberal Arts	4		Technical Elective	3
	Technical Elective	3			13			14
		15						

Data Processing

A.A.S. Degree Program

Positions for Which Graduates Qualify
Computer operator, low entry-level business programmer trainee

Prerequisites

- Successful completion of a sampling experience in the Data Processing area, either through the Summer Vestibule Program or a departmental sampling program
- Students with Michigan Test scores lower than 55 or who have weak mathematical skills may have difficulty with Liberal Arts and third-year courses.

Approximate Time
11 quarters

Other RIT Programs in Computers

College of Applied Science and Technology

Computer Engineering Technology
Students may enter this program either as transfers possessing an A.A.S. degree in an appropriate field or as freshmen with a high school diploma. The program provides students with technical skills on an applied basis in both computer science and electrical engineering. These skills enable students to work in areas concerned with the interaction between computer hardware and software. Graduates will be qualified to seek employment in a variety of industries and businesses, and with government agencies concerned with microcoding, microprocessors, and the more complex mini and microcomputers. Five quarters of cooperative work experience are required.
Degrees granted: A.A.S., B.S.

Computer Science
This undergraduate program in general computer science prepares students to enter employment as research programmers or to enter graduate schools for specialized training. The master of science program in computer science prepares graduates to pursue advanced technical and theoretical studies in the field for purposes of employment or for further graduate study at the doctoral level.
Degrees granted: A.A.S., B.S., M.S.

College of Business

Business Administration
This program provides business basics in accounting, management, mathematics, economics, computer science, and behavioral science. A master of business administration program gives students a foundation common to profit and non-profit organizations.
Degree granted: M.B.A.

Business Administration — Information Systems
Information Systems prepares students for careers in the development and management of computerized information systems. Students are thoroughly trained in business applications and systems analysis and design. They also take courses in management principles and functional areas of business, including marketing, operations management, accounting, and finance.
Degree granted: B.S.

School of Science and Engineering Careers

Applied Science/ Allied Health Professions

Students interested in science and helping people can combine both interests in an applied science/allied health career. These careers prepare students for employment in medical or health service settings or in research.

Students may choose programs in Medical Laboratory Technology, Medical Record Technology, and Optical Finishing Technology.

Other RIT Programs
Other applied science/allied health programs are available in the Colleges of Fine and Applied Arts, Graphic Arts and Photography, and Science. The Science and Engineerng Support Department assists students cross registered in these colleges.

Medical Laboratory Technology Programs

Students may choose certificate or A.A.S. degree programs to prepare for careers as histologic assistants or medical laboratory technicians.

Pre-Technical Program
More than 90 percent of students applying for Medical Laboratory Technology programs require a pre-technical program, usually lasting three quarters. The program consists of biology, chemistry, mathematics, English, communication, general education, and physical education.

Histologic Assistant: Certificate

Typical Course Sequence

Pre-Technical Requirements

	Fall Term	Cr. Hrs.		Winter Term	Cr. Hrs.		Spring Term	Cr. Hrs.
0814-107	MLT Biology I	4	0814-108	MLT Biology II	4	0814-109	MLT Biology III	4
0815-115	MLT Chemistry I	4	0815-116	MLT Chemistry II	4	0815-117	MLT Chemistry III	4
0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3	0817-142	Fundamentals of College Mathematics III	3
0847-100	Freshman Seminar	2	0847-101	Job Search Process	1		Communication	2
	Communication	2		Communication	2		English	4
	English	4		English	4		Physical Education	0
	Physical Education	0		Physical Education	0			17
		19			18			
First **Year**								
0816-101	Anatomy/Physiology and Disease I	4	0816-102	Anatomy/Physiology and Disease II	4	0816-299	MLT Co-op Clinical Experience	
0816-111	Basic Histology	6	0816-115	Electrocardiography	2			
0817-170	MLT Mathematics	3	0816-211	Histology II	6			
	Communication	2	0847-102	Life After College	1			
	English	4		Communication	2			
		19		English	4			
					19			

Histologic Assistant Certificate Program

On-the-job Responsibilities
Perform routine procedures in electrocardiography and histology
Places of Employment
Hospitals and industrial, private, and research clinical laboratories

Position for Which Graduates Qualify
Histologic assistant

Prerequisites
- MLT Biology I, II, III
- MLT Chemistry I, II, III
- Algebra IIA, IIB

Approximate Time
7 quarters with pre-technical program, including one cooperative work experience
3 quarters without pre-technical program

Medical Laboratory Technology

A.A.S. Degree Program

On-the-job Responsibilities
Perform routine medical laboratory procedures in hematology, urinalysis, microbiology, histology, clinical chemistry, bloodbanking, serology, and parasitology

Places of Employment
Clinical laboratories of hospitals, private clinics, physicians' offices, industrial clinical laboratories, municipal laboratories, and research clinical laboratories

Positions for Which Graduates Qualify
Medical laboratory technician, clinical chemistry assistant, microbiology assistant, and hematology assistant

Prerequisites
- MLT Biology I, II, III
- MLT Chemistry I, II, III
- Algebra IIA, IIB

Approximate Time
10 quarters with pre-technical program
7 quarters without pre-technical program

Medical Laboratory Technology: A.A.S. Degree

Typical Course Sequence

Fall Term

Pre-Technical Requirements

		Cr. Hrs.
0814-107	MLT Biology I	4
0815-115	MLT Chemistry I	4
0817-140	Fundamentals of College Mathematics I	3
	Communication	2
	English	4
	Physical Education	0
		17

First Year

0816-101	Anatomy/Physiology and Disease I	4
0816-121	Urinalysis	2
0816-122	Hematology	4
0817-170	MLT Math	3
0847-101	Job Search Process	1
	English	4
		18

Second Year

0816-201	Clinical Chemistry I	6
0816-232	Microbiology II	6
	Communication	2
	Liberal Arts	4
		18

Winter Term

		Cr. Hrs.
0814-108	MLT Biology II	4
0815-116	MLT Chemistry II	4
0817-141	Fundamentals of Collegt Mathematics II	3
0847-100	Freshman Seminar	2
	English	4
	Physical Education	0
		17

0816-102	Anatomy/Physiology and Disease II	4
0816-123	Advanced Hematology	5
0816-132	Immunology	3
0816-200	Pre-Co-op Seminar	1
	English or Liberal Arts	4
		17

0816-115	Electrocardiography	2
0816-202	Clinical Chemistry II	5
0816-233	Microbiology III	5
	Communication	2
	Liberal Arts	4
		18

Spring Term

		Cr. Hrs.
0814-109	MLT Biology III	4
0815-116	MLT Chemistry III	4
0817-142	Fundamentals of College Mathematics III	3
	Communication	2
	English	4
	Physical Education	0
		17

0816-131	Microbiology I	5
0816-133	Blood Bank Procedures	3
	MLT Elective (optional)	3-6
0816-111	Basic Histology	6
	or	
0816-140	Electron Microscopy	3
	Liberal Arts	4
		15-18

0816-105	Medical Parasitology	2
0816-203	Clinical Chemistry III	5
0816-224	Laboratory Simulation	3
0847-102	Life After College	1
	Communication	2
	Liberal Arts	4
		17

Summer

0816-299	Co-op Clinical Experience

Medical Record Technology Program

Students choose an A.A.S. degree program to prepare for careers in health information services.

The medical record technician is able to organize, analyze, and technically evaluate health records; compile and utilize administrative and health statistics; code symptoms, diseases, operations, and procedures to support reimbursement systems; maintain and use health record indexes and storage and retrieval systems; and abstract and retrieve health information for evaluating and planning health care and health-related programs. A medical record technician does not have direct patient contact.

The program includes a 10-week work experience during the summer quarter between the first and second years of the program and another work experience during the last quarter of the second year. In order to participate in the required work experience sessions, students are required to take a physical examination. These may be performed by the family physician or at the RIT Student Health Center, where examiniations can be performed for a nominal fee. In addition, students should be aware that transportation to work experience sites is their responsibility.

Pre-Technical Program

More than 90 percent of students entering the Medical Record Technology program require a pre-technical program that normally is three quarters long.

Courses are determined by the skill level of each student, but generally include Mathematics (Fundamentals of College Mathematics); English or Liberal Arts; Typing; Word Processing; Communication; Biology I, II, III; Health Care Organization and Structure; General Education; and Physical Education.

Accreditation

The Medical Record Technology Program is accredited by the American Medical Association Committee on Allied Health Education and Accreditation (CAHEA) in collaboration with the American Medical Record Association (AMRA). Graduates of the program may take the professional accreditation examination, and when successful, will be granted certification as Accredited Record Technicians. This certification supports the graduate in employment promotions and salary increases as it demonstrates technical knowledge and skill in the profession. The fee for this examination is determined yearly by AMRA.

Medical Record Technology

A.A.S. Degree Program

On-the-job Responsibilities

Prepare medical records for patient care evaluation studies; collect statistical data including coding of diseases, procedures, diagnostic tests, and therapeutic measures; communicate with professionals within and external to the medical field; perform manual or automated storage and retrieved of medical records; prepare and maintain specialized registries; and keep records secure and confidential.

Places of Employment

Acute, chronic, and mental health hospitals; specialized medical care, skilled nursing, rehabilitation, and medical clinics; Veterans Administration; research facilities; insurance companies; industry; automated health information centers; AMRA Executive Offices; medical record consulting firms; and medical record education facilities.

Prerequisites

- MRT Biology I, II, III
- Fundamentals of College Mathematics
- Health Care Organization and Structure
- MRT Career Exploration

Approximate Time

10 quarters with pre-technical program
7 quarters without pre-technical program

The time required to complete the program may vary according to the student's knowledge, skills, and rate of progress.

Medical Record Technology: A.A.S. Degree

Typical Course Sequence

Pre-Technical Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0804-111	Beginning Typing I	2	0804-112	Beginning Typing II	2	0804-113	Beginning Typing III	2
0817-140	Fundamentals of College Mathematics I	3	0819-107	Biology II	4	0819-108	Biology III	4
0819-106	Biology I	4		Communication	2	0819-145	Health Organization	4
0847-100	Freshman Seminar	2		English	4		English	4
	Communication	2		Physical Education	0			14
	English	4			12			
		17						

First Year

0819-111	Anatomy/Physiology I	4	0804-221	Advanced Typing I	3	0802-213	Data Processing	2
0819-141	Medical Records Science I	5	0819-112	Anatomy/Physiology II	4	0804-301	Word Processing I	4
0819-161	Medical Terminology I	3	0819-142	Medical Records Science II	5	0819-143	Medical Records Science III	5
	Communication	2	0819-162	Medical Terminology II	3	0819-163	Medical Terminology III	3
	English Composition	4		Communication	2		Liberal Arts	4
		18		Physical Education	0			18
					17			

Summer

0819-299 Co-op Work Experience

Second Year

0819-244	Medical Records Science IV	5	0819-245	Medical Records Science V	5	0819-246	Medical Records Science VI	5
0819-264	Medical Terminology IV	3	0819-251	Pathophysiology I	3	0819-252	Pathophysiology II	3
0847-101	Job Search	1	0847-102	Life After College	1	0819-267	Medical Terminology V	3
	Communication	2		Communication	2		Liberal Arts	4
	Liberal Arts	4		Liberal Arts	4			15
		15		Physical Education	0			
					15			

Ophthalmic Optical Finishing Technology Programs

An optical finishing technologist makes eyeglasses prescribed by physicians and optometrists. Technologists refine lenses to prescription specifications as ordered by vision care specialists.

Students may choose certificate, diploma, A.O.S., and A.A.S. degree programs.

The Optical Finishing Technology program includes an optical laboratory affiliation in Rochester during one of the academic quarters. A cooperative work experience is taken in the student's home area during the summer quarter between the first and second years in the program. Students are responsible for obtaining their own transportation to these practice sites.

Pre-Technical Program
More than 90 percent of those applying for the Optical Finishing Technology program require a pre-technical program. The program generally is three quarters long and provides coursework in mathematics, English, communication, and physical education.

Accreditation
The Optical Finishing Technology program is accredited by the Commission on Opticianry Accreditation. This accreditation recognizes the high standards of program quality provided to NTID students.

Optical Finishing Technology
Certificate Program

On-the-job Responsibilities
Follow the vision care specialist's instructions as written on the prescription, perform procedures requested by the laboratory supervisor to prepare eyeglasses for use, and maintain laboratory and equipment according to industry (American National Standards Institute) standards.

Places of Employment
Wholesale optical laboratories and offices of ophthalmologists, optometrists, and dispensing opticians

Graduates Qualify for Positions Requiring the Following Skills
Hand-refining, lens heat/chemical treatment, lens blocking, lens dyeing, and automatic lens edging.

Prerequisites
- Fundamentals of College Mathematics
- Introduction to Optical Finishing Technology I, II, III
- Successful completion of a sampling experience in Optical Finishing Technology, either through the Summer Vestibule Program or a departmental sampling program.

Approximate Time
7 quarters with pre-technical program
4 quarters without pre-technical program

Optical Finishing Technology: Certificate

Typical Course Sequence

Fall Term

Pre-Technical Requirements

		Cr. Hrs.
0817-120	Basic Mathematics	3
0827-105	Introduction to OFT I	2
0847-100	Freshman Seminar	2
	Communication	2
	English	4
	Physical Education	0
		13

First Year

0827-111	OFT Math I	3
0827-115	Prescription Analysis I	3
0827-161	Optical Finishing Terminology I	3
	Communication	2
	English	4
		15

Winter Term

		Cr. Hrs.
0817-140	Fundamentals of College Mathematics I	3
0827-106	Introduction to OFT II	2
	Communication	2
	English	4
	General Education	2
	Physical Education	0
		13

Summer

0827-299	Co-op Work Experience

0827-112	OFT Math II	3
0827-116	Prescription Analysis II	3
0827-121	Optical Finishing Techniques I	5
0827-162	Optical Finishing Terminology II	3
	English	4
		18

Spring Term

		Cr. Hrs.
0817-141	Fundamentals of College Mathematics II	3
0818-168	Physics I (optional)	4
0827-107	Introduction to OFT III	2
0847-101	Job Search Process	1
	Communication	2
	English	4
	Physical Education	0
		12-16

0827-122	Optical Finishing Techniques II	5
0827-123	Optical Finishing Techniques III	6
0827-163	Optical Finishing Terminology III	3
0847-102	Life After College	1
	Communication	2
		17

Optical Finishing Technology
Diploma Program

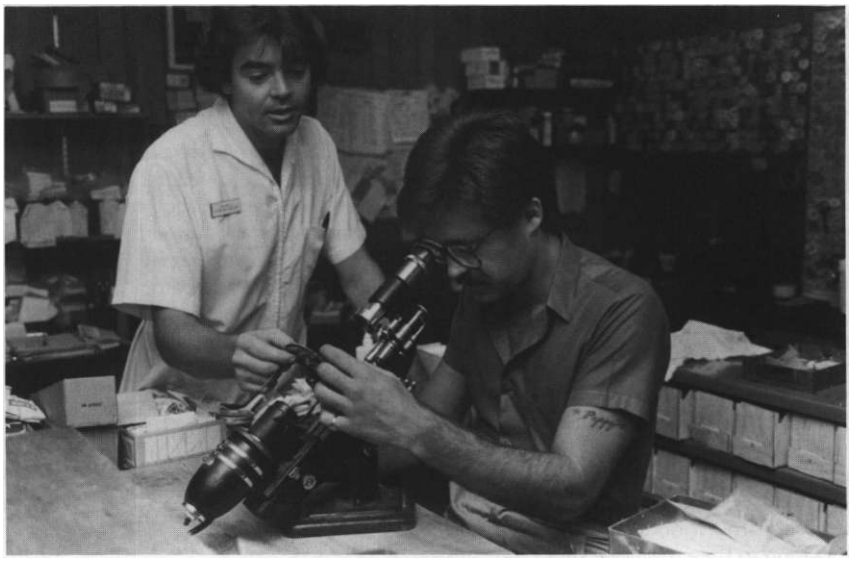
On-the-job Responsibilities
Follow the vision care specialist's instructions as written on the prescription, perform procedures requested by the laboratory supervisor to prepare eyeglasses for use, and maintain laboratory and equipment according to industry (American National Standards Institute) standards.

Places of Employment
Wholesale optical laboratories and offices of ophthalmologists, optometrists, and dispensing opticians

Graduates Qualify for Positions Requiring the Following Skills
Vertometric evaluation, lay-out, hand-refining, lens heat/chemical treatment, lens blocking, lens dyeing, stockroom services, and final checking and evaluation

Prerequisites
- Fundamentals of College Mathematics
- Introduction to Optical Finishing Technology I, II, III
- Successful completion of a sampling experience in Optical Finishing Technology, either through the Summer Vestibule Program or a departmental sampling program

Approximate Time
10 quarters with pre-technical program, including one cooperative work experience
7 quarters without pre-technical program



Optical Finishing Technology: Diploma

Typical Course Sequence

Pre-Technical Requirements

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3
0827-105	Introduction to OFT I	2	0827-106	Introduction to OFT II	2	0827-107	Introduction to OFT III	2
0847-100	Freshman Seminar	2		Communication	2		Communication	2
	Communication	2		English	4		English	4
	English	4		General Education	2		General Education	2
	Physical Education	0		Physical Education	0		Physical Education	0
		13			13			13

First Year

0827-111	OFT Math I	3	0827-112	OFT Math II	3	0827-117	Lens Design	3
0827-115	Prescription Analysis I	3	0827-116	Prescription Analysis II	3	0827-122	Optical Finishing Techniques II	5
0827-161	Optical Finishing Terminology I	3	0827-121	Optical Finishing Techniques I	5	0827-123	Optical Finishing Techniques III	6
0847-101	Job Search Process	1	0827-162	Optical Finishing Terminology II	3	0827-163	Optical Finishing Terminology III	3
	Communication	2		English	4			
	English	4						
		16			18			17

Summer

0827-299	Co-op Work Experience	

Second Year

0827-224	Optical Finishing Techniques IV	5	0818-165	Physics I	4	0827-226	Lab Simulation II	5
0827-241	Management of Optical Stockroom Procedures	4	0827-225	Lab Simulation I	5	0827-243	Optical Finishing Inspection/ Correction	3
	Communication	2	0827-251	Optical Finishing Technology Seminar	2		English	4
	General Education	1	0847-102	Life After College	1			
		12			12			12

Optical Finishing Technology

A.O.S. Degree Program

On-the-job Responsibilities

Perform lay-out, edging, hand-refining, lens heat/chemical treating, blocking, lens dyeing, stockroom services, vertometric evaluation, and final inspection/evaluation, usually under the supervision of an experienced ophthalmic laboratory technologist.

Places of Employment

Private laboratories of ophthalmologists, optometrists, dispensing opticians, and wholesale and retail optical laboratories

Graduates Qualify for Positions Requiring the Following Skills

Vertometric evaluation, lay-out, hand-refining, lens heat/chemical treatment, lens blocking, lens dyeing, stockroom services, and final checking and evaluation

Prerequisites

- Fundamentals of College Mathematics
- Introduction to Optical Finishing I, II, III
- Successful completion of a sampling experience in Optical Finishing Technology, either through the Summer Vestibule Program or a departmental sampling program.
- Completion of NTID English course requirements, California Reading Test score within the range of 7.0-9.0 or above, and a Michigan Language Test score in the range of 55-65 or above.

Approximate Time

10 quarters with first year (pre-technical) program

7 quarters without first year (pre-technical) program

Optical Finishing Technology: A.O.S. Degree

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3
0827-105	Introduction to OFT I	2	0827-106	Introduction to OFT II	2	0827-107	Introduction to OFT III	2
0847-100	Freshman Seminar	2		Communication	2		Communication	2
	Communication	2		English	4		English	4
	English	4		General Education	2		General Education	2
	Physical Education	0		Physical Education	0		Physical Education	0
		13			13			13

Second Year

0827-111	OFT Math I	3	0827-112	OFT Math II	3	0827-117	Lens Design	3
0827-115	Prescription Analysis I	3	0827-116	Prescription Analysis II	3	0827-122	Optical Finishing Techniques II	5
0827-161	Optical Finishing Terminology I	3	0827-121	Optical Finishing Techniques I	5	0827-123	Optical Finishing Techniques III	6
0847-101	Job Search Process	1	0827-162	Optical Finishing Terminology II	3	0827-163	Optical Finishing Terminology III	3
	Communication	2		English	4			
	English	4			18			17
		16						

Summer

0827-299	Co-op Work Experience	

Third Year

0827-224	Optical Finishing Techniques IV	5	0827-225	Lab Simulation II	5	0818-168	OFT Physics	3
0827-241	Management of Optical Stockroom Procedures	4	0827-251	Optical Finishing Tech. Seminar	2	0827-226	Lab Simulation II	5
0847-166	Human Experience: An Individual Life	4	0847-167	Human Experience: The Individual and Society	4	0827-243	Optical Finishing Inspection/ Correction	3
	Communication	2		Communication	2	0847-102	Life After College	1
		15			13	0847-168	Human Experience: The Individual and Technology	4
								16

Optical Finishing Technology

A.A.S. Degree Program

On-the-job Responsibilities
Follow the vision care specialist's instructions as written on the prescription, perform procedures requested by the laboratory supervisor to prepare eyeglasses for use, and maintain laboratory and equipment according to industry (American National Standards Institute) standards.

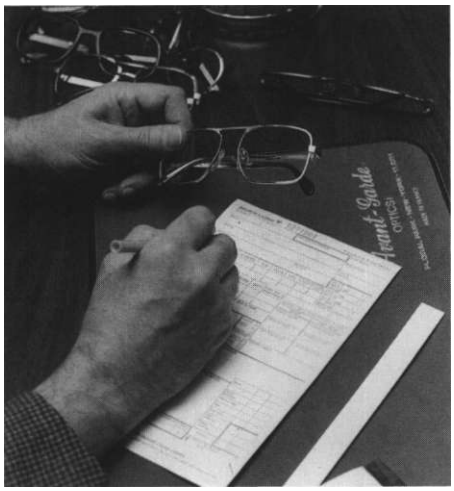
Places of Employment
Wholesale optical laboratories and offices of ophthalmologists, optometrists, and dispensing opticians

Graduates Qualify for Positions Requiring the Following Skills
Vertometric evaluation, lay-out, hand-refining, lens heat/chemical treatment, lens blocking, lens dyeing, stockroom services, and final checking and evaluation

Prerequisites
- Fundamentals of College Mathematics
- Introduction to Optical Finishing Technology I, II, III
- Successful completion of a sampling experience in Optical Finishing Technology, either through the Summer Vestibule Program or a departmental sampling program.

Approximate Time
10 quarters with pre-technical program, including one cooperative work experience
7 quarters without pre-technical program.

The time required to complete the program may vary according to the student's knowledge, skills, and rate of progress.



Optical Finishing Technology: A.A.S. Degree

Typical Course Sequence

Pre-Technical Requirements

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3
0827-105	Introduction to OFT I	2	0827-106	Introduction to OFT II	2	0827-107	Introduction to OFT III	2
0847-100	Freshman Seminar	2		Communication	2		Communication	2
	Communication	2		English	4		English	4
	English	4		General Education	2		Physical Education	0
	Physical Education	0		Physical Education	0			11
		13			13			

First Year

0827-111	OFT Math I	3	0827-112	OFT Math II	3	0827-117	Lens Design	3
0827-115	Prescription Analysis I	3	0827-116	Prescription Analysis II	3	0827-122	Optical Finishing Techniques II	5
0827-161	Optical Finishing Terminology I	3	0827-121	Optical Finishing Techniques I	5	0827-123	Optical Finishing Techniques III	6
0847-101	Job Search Process	1	0827-162	Optical Finishing Terminology II	3	0827-163	Optical Finishing Terminology III	3
	Communication	2		English or Liberal Arts	4			17
	English	4			18			
		16						

Summer

0827-299	Co-op Work Experience	

Second Year

0827-224	Optical Finishing Techniques IV	5	0818-165	Physics I	4	0827-226	Lab Simulation II	5
0827-241	Management of Optical Stockroom Procedures	4	0827-225	Lab Simulation I	5	0827-243	Optical Finishing Inspection/ Correction	3
	Liberal Arts	4	0827-251	Optical Finishing Technology Seminar	2		Communication	2
	Liberal Arts	4	0847-102	Life After College	1		Liberal Arts	4
		17		Liberal Arts	4			14
					16			

Other RIT Programs in Applied Science/Allied Health

College of Graphic Arts and Photography

Biomedical Photographic Communications
Graduates qualify for careers in media production and for careers involving allied health teams in health institutions, including hospitals and medical and dental research centers. Students can qualify for employment at the end of the second year and have the educational background necessary to apply for registration as biological photographers.
Degrees granted: A.A.S., B.S.

College of Science

Applied Mathematics, Computational Mathematics, and Applied Statistics
Graduates from these programs will probably be involved in research or consulting. Applied mathematicians translate physical problems into mathematical equations. Computational mathematicians use computers to solve problems and analyze results. Applied statisticians use statistical techniques to collect and analyze data. These graduates may work for branches of the government such as the Defense Department and the National Bureau of Standards; for private industry in areas ranging from banking to insurance; and for companies specializing in computers, manufacturing, or other production activities.
Degrees granted: A.S., B.S.

Biology
Graduates qualify for occupations in medical research labs, food and agriculture-related industries, pharmaceutical and environmental organizations, and for graduate study in biological disciplines and the medical arts.
Degrees granted: A.S., B.S.

Biomedical Computing
Graduates are prepared to assume positions on the staffs of medical and industrial laboratories, hospital computer departments, medical research projects, and in clinical environments working with physicians and other health professionals.
Degree granted: B.S.

Biotechnology
Graduates are prepared to work in industries that produce or use pharmaceuticals, agricultural products, petroleum, food, energy, and the like. Students learn new techniques in areas such as genetic engineering, industrial microbiology, and cell hybridoma. In addition to being prepared for immediate employment, some students may qualify for entrance into graduate programs for advanced study.
Degree granted: B.S.

Chemistry
Graduates qualify for higher level positions in several fields of chemistry, including professional industrial work in processing and laboratory operational research and experimental work, supervision of technical projects, managerial positions, and graduate study. The master of science program prepares students to increase the breadth and depth of their background and provides an opportunity to attack scientific problems on their own initiative.
Degrees granted: A.S., B.S., M.S.

Clinical Chemistry
The clinical chemistry program prepares students with baccalaureate degrees in chemistry, biology, medical technology, nuclear medicine technology, or a related field, for careers at the middle management level in clinical chemistry laboratories.
Degree granted: M.S.

Diagnostic Medical Sonography
Graduates are trained in abdominal, obstetrical, and gynecological ultrasound scanning techniques and procedures in preparation for positions in hospitals, clinics, research, and administration. The baccalaureate option includes three years at RIT and one year of clinical internship.
Degree granted: B.S.

Materials Science and Engineering
This program, offered in conjunction with the Colleges of Engineering and Science, offers interdisciplinary experience in materials studies, crossing over the boundaries of chemistry, physics, and electrical and mechanical engineering. Experimental courses in materials-related studies are offered, as well as opportunities for exploring avenues for greater harmony between industrial expansion and academic training.
Degree granted: M.S.

Medical Technology
Graduates qualify for employment in hospital, industrial-medical, or research laboratories. Students spend three years at RIT and the last year in an approved hospital internship.
Degree granted: B.S.

Nuclear Medicine Technology
This program prepares students to use radioactive materials in the diagnosis and treatment of disease. Graduates prepare and administer doses, operate nuclear medicine instruments, position patients for diagnostic procedures, and prepare information received from tests for the doctor's interpretation. Students spend three years at RIT and one year in a hospital internship.
Degree granted: B.S.

Physics
Graduates find employment opportunities with industrial, academic, and government agencies; or pursue graduate study in such areas as biophysics, atmospheric or applied science, or industrial business administration.
Degrees granted: A.S., B.S.

Polymer Chemistry
Students receive a background in polymer chemistry as well as in the traditional areas of the science. Students are prepared for employment in the plastics, rubber, and fiber industries, and for graduate study in chemistry, polymer science, or materials science.
Degree granted: B.S.

Pre-Medicine, Dentistry, Etc.
Students interested in pursuing a career in medicine, dentistry, optometry, osteopathic medicine, veterinary science, or podiatry may major in any College of Science or Institute program. No formal program exists specifically for preparation for these careers. The faculty Pre-Professional Advisory Committee counsels and assists RIT students in making application to professional schools. Degrees are awarded in the programs chosen by students.

Technologies Careers

Students selecting Engineering Technologies careers may choose one of three areas. Construction Technologies careers involve participating in the design and construction of buildings, roads, and bridges. Electromechanical Technology careers involve working with engineers and researchers to provide technical support for the design, installation, and maintenance of machines using electrical, electronic, and mechanical devices. Industrial Technologies careers involve working with systems and special equipment used in industry throughout the country.

Students may choose programs in:

1. Construction Technologies Careers
   Architectural Drafting (Diploma)
   Architectural Technology (A.A.S.)
   Civil Technology (A.A.S.)
2. Electromechanical Technology Careers
   Electromechanical Technology (A.A.S.)
3. Industrial Technologies Careers
   Industrial Drafting (Diploma)
   Industrial Drafting Technology (A.O.S., A.A.S.)
   Manufacturing Processes (Diploma)

Accreditation

The A.A.S. programs in Industrial Drafting Technology, Electromechanical Technology, Civil Technology, and Architectural Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc.

Other RIT Programs

Other engineering programs are available in the College of Engineering and College of Applied Science and Technology. The Science and Engineering Support Department assists students cross registered in these colleges.

School of Science and Engineering Careers

C.O.R.E. Year Experience

Most students are required to enroll in the C.O.R.E. year sequence (Career Orientation and Exploration). This experience is three quarters in length and includes an in-depth sampling of program offerings within Engineering Technologies (Architectural Technology, Civil Technology, Electromechanical Technology, Industrial Drafting Technology, Manufacturing Processes), as well as coursework in mathematics, English, communication, and general education.

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3	0817-142	Fundamentals of College Mathematics III	3
0847-100	Freshman Seminar	2		Career Exploration'	1		Career Exploration*	1
	Career Exploration*	1		Communication	2		Communication	2
	Communication	2		English-	4		English"	4
	English"	4		General Education***	3		General Education***	3
		12			13			13

"Students must choose at least three of the following career exploration courses: 0808-100 (Architectural Technology), 0809-100 (Civil Technology), 0810-100 (Industrial Drafting Technology), 0811-100 (Electromechanical Technology), 0813-100 (Manufacturing Processes). Students must sample a program to be admitted to it.

"Students may be required to register for more than one English course per quarter depending on their entry level skills.

"'The departments encourage students to start Physics after completing Fundamentals of College Mathematics I. Students may register for Technical Physics I instead of General Education.

Construction Technologies Careers

Construction Technologies programs teach students the skills related to the design and instruction of architectural (buildings) and civil (roads, bridges, etc.) projects. Students may choose a diploma program in Architectural Drafting or an A.A.S. degree program in Architectural or Civil Technology.

Architectural Drafting
Diploma Program

On-the-job Responsibilities
Draw detailed plans of buildings and other structures, working from architects' and designers' notes and sketches; do lettering; make models; and know construction methods and materials.

Places of Employment
Architectural and engineering firms, building materials suppliers, construction companies, and government agencies

Position for Which Graduates Qualify
Architectural drafter

Prerequisites
- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time
9 quarters with C.O.R.E. year experience
6 quarters without C.O.R.E. year experience

Architectural Drafting: Diploma

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0808-110	Construction Terminology	4	0808-112	Construction Drafting II	2	0808-113	Construction Drafting III	2
0808-111	Construction Drafting I	2	0808-201	Construction Methods and Procedures I	3	0808-202	Construction Methods and Procedures II	3
0817-126	AlgebraI1A	3	0817-127	Algebra IIB or equivalent	3	0817-124	Geometry or equivalent	3
0847-100	Freshman Seminar	2	0818-100	Technical Physics I	3	0818-125	Construction Technology Physics **II**	3
	Communication	2		English*	4		Communication*	2
	English	4		Physical Education	0		Physical Education	0
	Physical Education	0			15			13
		17						

Second Year

0808-211	Architectural Materials I	3	0808-212	Architectural Materials II	3	0808-220	Principles of Structural Systems	4
0808-221	Architectural Design Drafting I	4	0808-222	Architectural Design Drafting II	4	0808-223	Architectural Design Drafting **III**	4
0808-377	Building Equipment	3	0808-224	Construction Computations	2	0808-375	Architectural History	2
0818-126	Construction Technology Physics **III**	3	0808-390	Architectural Technology Seminar	2	0808-376	Building Estimating	2
				General Education	2	0809-241	Mapping I	2
0847-101	Job Search Process	1				0847-102	Life After College	1
		14			13			15

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Architectural Technology
A.A.S. Degree Program

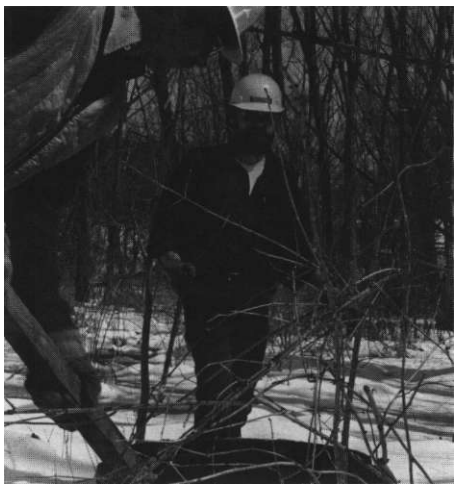
On-the-job Responsibilities
Work with architects and engineers to plan construction and remodeling of buildings and other structures, including preliminary drawings, design development drawings, working drawings, presentation graphics, model making, cost estimating, structural planning, and knowledge of construction methods and materials.

Places of Employment
Architectural, engineering, and construction companies; government agencies; and corporate design offices

Positions for Which Graduates Qualify
Architectural drafter, architectural technician, construction engineering drafter, and planning aide

Prerequisites
- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time
13 quarters with C.O.R.E. year experience, including cooperative work experience
10 quarters without C.O.R.E. year experience



Architectural Technology: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term	Cr. Hrs.	Winter Term	Cr. Hrs.	Spring Term	Cr. Hrs.
0808-110 Construction Terminology	4	0808-112 Construction Drafting II	2	0808-113 Construction Drafting III	2
0808-111 Construction Drafting I	2	0808-201 Construction Methods I	3	0808-202 Construction Methods II	3
0817-127 Algebra IIB or equivalent	3	0817-124 Geometry or equivalent	3	0817-128 Trigonometry or equivalent	3
0847-100 Freshman Seminar	2	0818-100 Technical Physics I	3	0818-125 Construction Physics II	3
Communication	2	English*	4	Communication*	2
English	4	Physical Education	0	Physical Education	0
Physical Education	0		15		13
	17				

Second Year

0808-211 Architectural Materials I	3	0808-212 Architectural Materials II	3	0808-220 Principles of Structural Systems	4
0808-221 Architectural Design Drafting I	4	0808-222 Architectural Design Drafting II	4	0808-223 Architectural Design Drafting III	4
0817-201 College Algebra, Trigonometry, and Analytic Geometry I	3	0808-390 Architectural Technology Seminar	2	0809-241 Mapping I	2
0818-126 Construction Physics III	3	0817-202 College Algebra, Trigonometry, and Analytic Geometry II	3	Liberal Arts	4
0847-101 Job Search Process	1	Liberal Arts	4		14
	14		16		

Summer

0808-299 Co-op Work Experience

Third Year

0808-340 Planning Project	5	0808-351 Architectural Project I	5	0808-352 Architectural Project II	5
0808-377 Building Equipment	3	0809-260 Strength of Materials	4	0808-375 Architectural History	2
0809-250 Statics	4	0847-102 Life After College	1	0808-376 Building Estimating	2
Liberal Arts	4	Liberal Arts	4	Liberal Arts	4
	16		14	Technical Elective	1-3
					14-16

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Civil Technology
A.A.S. Degree Program

On-the-job Responsibilities
Use a variety of skills such as drafting, surveying, materials testing and measuring, construction, inspection, report writing, and knowledge of materials and methods used in construction.

Places of Employment
Government agencies; construction companies; engineering, surveying, and architectural firms; oil and steel industries; transportation agencies; and materials testing laboratories

Positions for Which Graduates Qualify
Design assistant, materials lab technician, construction inspector, civil drafter, assistant surveyor, and structural drafter

Prerequisites
- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time
13 quarters with C.O.R.E. year experience, including cooperative work experience
10 quarters without C.O.R.E. year experience

Civil Technology: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0808-110	Construction Terminology	4
0808-111	Construction Drafting I	2
0817-127	Algebra IIB or equivalent	3
0847-100	Freshman Seminar	2
	Communication	2
	English	4
	Physical Education	0
		17

Winter Term

		Cr. Hrs.
0808-112	Construction Drafting II	2
0808-201	Construction Methods I	3
0817-124	Geometry or equivalent	3
0818-100	Technical Physics I	3
	English*	4
	Physical Education	0
		15

Spring Term

		Cr. Hrs.
0808-113	Construction Drafting III	2
0808-202	Construction Methods II	3
0817-128	Trigonometry or equivalent	3
0818-126	Construction Physics III	3
	Communication*	2
	Physical Education	0
		13

Second Year

0809-250	Statics	4	0809-260	Strength of Materials	4	0809-231	Surveying I	4
0809-285	Civil Technology Seminar	2	0809-283	Soil Mechanics	4	0809-241	Mapping I	2
0817-201	College Algebra, Trigonometry, and Analytic Geometry I	3	0809-390	Construction Seminar	2	0809-284	Engineering Materials	4
0818-125	Construction Physics II	3	0817-202	College Algebra, Trigonometry, and Analytic Geometry II	3	0809-290	Computer Program	3
0847-101	Job Search Process	1		Liberal Arts	4		Liberal Arts	4
		13			17			17

Summer

0809-299 Co-op Work Experience

Third Year

0809-232	Surveying II	3	0809-322	Structural Design Drafting II	4	0809-323	Structural Design Drafting III	4
0809-242	Mapping II	2	0809-350	Highway Design and Construction	4	0809-385	Principles of Environmental Technology	4
0809-321	Structural Design Drafting I	4	0847-102	Life After College	1		Liberal Arts	4
0809-340	Fundamentals of Fluid Mechanics	4		Liberal Arts	4		Technical Elective	1-3
	Liberal Arts	4			13			13-15
		17						

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Electromechanical Technology Careers

A variety of career options are offered through the Electromechanical Technology Program. Graduates of this program work with systems and equipment used in many different industries throughout the country.

Electromechanical Technology

A.A.S. Degree Program

On-the-job Responsibilities

Construct and maintain equipment; apply knowledge of mechanical, electronic, and computer principles; service test equipment; and install electromechanical equipment.

Places of Employment

Engineering and manufacturing industries, government agencies, and military laboratories

Positions for Which Graduates Qualify

Research aide, engineering technician, quality control technician, service technician, engineering aide, automated equipment technician, and field service representative

Prerequisites

- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time

10 quarters, including one quarter of co-op work, assuming above prerequisites are complete at time of admission

Electromechanical Technology: A.A.S. Degree

Typical Course Sequence

Fall leirm

First Year

		Cr. Hrs.
0810-101	Basic Drafting I	2
0817-142	Fundamentals of College Mathematics III	3
0818-100	Physics I	3
0847-100	Freshman Seminar	1
	Communication	2
	English	4
		15

Second Year

		Cr. Hrs.
0811-304	AC Circuits	5
0811-317	Kinematics	4
0817-201	Algebra, Trigonometry, and Analytic Geometry I	3
0847-101	Job Search Process	1
	Liberal Arts	4
		17

Third Year

		Cr. Hrs.
0811-171	Digital Systems	4
0811-234	Optical Systems	4
0811-324	Transducers	4
0811-370	Electronics III	4
		16

WinteirTerm

First Year

		Cr. Hrs.
0811-210	Computer Techniques	4
0811-241	Tool Skills	2
0817-127	AlgebraIIB or equivalent	3
0818-135	Physics II	3
	Communication	2
	English*	4
		18

Second Year

		Cr. Hrs.
0811-321	Fluid Power	4
0811-368	Electronics I	4
0817-202	Algebra, Trigonometry, and Analytic Geometry II	3
	Liberal Arts	4
		15

Third Year

		Cr. Hrs.
0811-325	Control Systems	4
0811-327	Microprocessor Control Systems I	2
	Liberal Arts	4
	Technical Elective	4
		14

Spring Term

First Year

		Cr. Hrs.
0811-211	Mechanical Components	4
0811-213	DC Circuits	5
0817-128	Trigonometry or equivalent	3
	Communication*	2
		14

Second Year

		Cr. Hrs.
0811-322	Electrical Power Systems	4
0811-369	Electronics II	5
0817-203	Algebra, Trigonometry, and Analytic Geometry III	3
	Liberal Arts	4
		16

Summer

0811-299	Co-op Work Experience

Third Year

		Cr. Hrs.
0811-209	Technical Graphics	2
0811-328	Microprocessor Control Systems II	2
0847-102	Life After College	1
	Liberal Arts	4
	Technical Elective	4
		13

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Industrial Technologies Careers

Programs in Industrial Technologies Careers involve studies and applications of the systems and special equipment used in industry throughout the country. Students may choose diploma programs in Industrial Drafting and Manufacturing Processes, or associate degree programs in Industrial Drafting Technology.

Industrial Drafting
Diploma Program

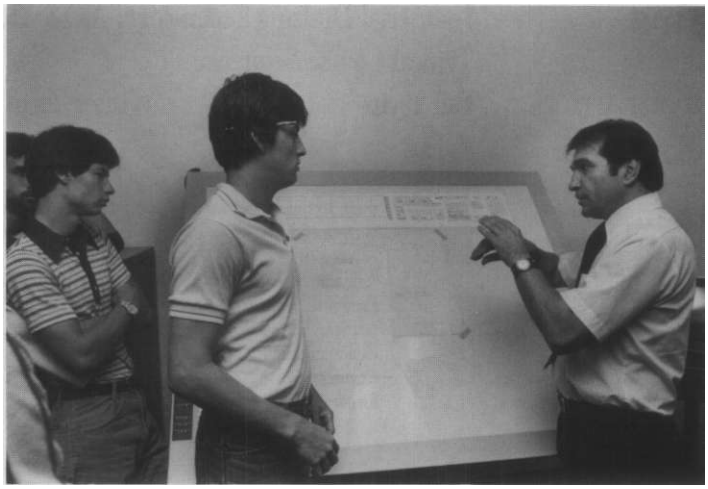
On-the-job Responsibilities
Prepare detailed production drawings (manually and using computer-aided drafting equipment) for manufactured products from sketches, drawings, and specifications prepared by others.

Places of Employment
Manufacturing industries, engineering firms, metal-working industries, drafting shops, government agencies, and engineering research firms

Positions for Which Graduates Qualify
Mechanical drafter, electrical drafter, electromechanical drafter, detailer, and CAD operator

Prerequisites
- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time
10 quarters with C.O.R.E. year experience and one cooperative work experience
7 quarters (without C.O.R.E. year experience) with one cooperative work experience



Industrial Drafting: Diploma

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0810-141	Basic Technical Drafting I	3
0817-127	AlgebraIIB or equivalent	3
0847-100	Freshman Seminar	2
0847-101	Job Search Process	1
	Communication	2
	English	4
	Physical Education	0
		15

Winter Term

		Cr. Hrs.
0810-142	Basic Technical Drafting II	3
0817-124	Geometry or equivalent	3
0818-100	Technical Physics I	3
	Communication	2
	English	4
	Physical Education	0
		15

Spring Term

		Cr. Hrs.
0810-143	Basic Technical Drafting III	3
0817-128	Trigonometry or equivalent	3
0818-135	Technical Physics II	3
	Communication*	2
	English'	4
	Physical Education	0
		15

Summer

0810-299	Co-op Work Experience

Second Year

0810-131	Manufacturing Processes I	1
0810-151	Materials and Processes I	3
0810-201	Technical Drafting I	5
	Elective	2
		11

0810-132	Manufacturing Processes II	1
0810-152	Materials and Processes II	3
0810-202	Technical Drafting II	4
	Electives	4
		12

0810-203	Technical Drafting III	4
0810-211	Supervised Study in Drafting	1
0847-102	Life After College	1
	Electives	6
		12

"Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Industrial Drafting Technology

A.O.S. Degree Program

On-the-job Responsibilities

Handle normal drafting assignments using drafting standards and engineering terms; gather data and information for engineers; draw layouts of design concepts for new machines, products, and for drafters' use in drawing parts; and use computer-aided drafting equipment.

Places of Employment

Manufacturing industries, engineering firms, drafting shops, government agencies, metal-working industries, and engineering research firms

Positions for Which Graduates Qualify

Mechanical drafter, electronics drafter, electromechanical drafter, mechanical designer, CAD operator, and electro-mechanical designer

Prerequisites

- Fundamentals of College Mathematics
- English level: Marginally Qualified

Approximate Time

14 quarters with C.O.R.E. year experience and two cooperative work experiences

11 quarters (without C.O.R.E. year experience) with two cooperative work experiences

Industrial Drafting Technology: A.O.S. Degree

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0810-141	Basic Technical Drafting I	3	0810-142	Basic Technical Drafting II	3	0810-143	Basic Technical Drafting III	3
0817-126	AlgebraIIA or equivalent	3	0817-127	AlgebraIIB or equivalent	3	0817-124	Geometry or equivalent	3
0847-100	Freshman Seminar	2	0818-100	Technical Physics I	3	0818-135	Technical Physics II	3
0847-101	Job Search Process	1		Communication	2		Communication	2
	Communication	2		English	4		English	4
	English	4		Physical Education	0		Physical Education	0
	Physical Education	0			15			15
		15						

Summer

0810-299 Co-op Work Experience

Second Year

0810-131	Manufacturing Processes I	1	0810-132	Manufacturing Processes II	1	0810-203	Technical Drafting III	4
0810-151	Materials and Processes I	3	0810-152	Materials and Processes II	3	0810-211	Supervised Study in Drafting	1
0810-201	Technical Drafting I	5	0810-202	Technical Drafting II	4	0817-202	Algebra, Trigonometry, and Analytic Geometry II	3
0817-128	Trigonometry or equivalent	3	0817-201	Algebra, Trigonometry, and Analytic Geometry I	3		Elective	3
	Communication	2		Communication*	2		General Education	4
	English	4		English'	4			15
		18						

Summer

0810-299 Co-op Work Experience

Third Year

0810-204	Technical Drafting IV	3	0810-205	Technical Drafting V	3	0810-206	Technical Drafting VI	5
0810-213	Statics	5	0810-214	Strength of Materials	5	0810-222	Machine Design II	4
0810-215	Mechanisms	4	0810-221	Machine Design I	4	0847-102	Life After College	1
	General Education	4		General Education	4		General Education	4
		16			16		Technical Elective	3
								17

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Industrial Drafting Technology
A.A.S. Degree Program

An associate in applied science degree prepares a student for the same responsi-ailities as an associate in occupational studies degree — except that the Liberal Arts courses required will prepare students to continue toward a bachelor's degree, if they so desire.

On-the-job Responsibilities

Handle normal drafting assignments using drafting standards and engineering terms; gather data and information for engineers; draw layouts of design concepts for new machines, products, and for drafters' use in drawing parts; and use computer-aided drafting equipment.

Places of Employment

Manufacturing industries, engineering irms, drafting shops, government agencies, metal-working industries, and engineering research firms

Positions for Which Graduates Qualify

VIechanical drafter, electronics drafter, electromechanical drafter, mechanical designer, CAD operator, and electro-mechanical designer

Prerequisites

- Fundamentals of College Mathematics
- » English level: Marginally Qualified

Approximate Time

14 quarters with C.O.**R**.E. year experience and two cooperative work experiences

11 quarters (without C.O.**R**.E. year experience) with two cooperative work experiences

Industrial Drafting Technology: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term	Cr. Hrs.	Winter Term	Cr. Hrs.	Spring Term	Cr. Hrs.
0810-141 Basic Technical Drafting I	3	0810-142 Basic Technical Drafting II	3	0810-143 Basic Technical Drafting III	3
0817-127 AlgebraIIB or equivalent	3	0817-124 Geometry or equivalent	3	0817-128 Trigonometry or equivalent	3
0847-100 Freshman Seminar	2	0818-100 Technical Physics I	3	0818-135 Technical Physics II	3
0847-101 Job Search Process	1	Communication	2	Communication'	2
Communication	2	English	4	English	4
English	4	Physical Education	0	Physical Education	0
Physical Education	0		15		15
	15				

Summer

0810-299 Co-op Work Experience

Second Year

0810-131 Manufacturing Processes I	1	0810-132 Manufacturing Processes II	1	0810-203 Technical Drafting III	4
0810-151 Materials and Processes I	3	0810-152 Materials and Processes II	3	0810-211 Supervised Study in Drafting	1
0810-201 Technical Drafting I	5	0810-202 Technical Drafting II	4	0817-203 Algebra, Trigonometry, and Analytic Geometry III	3
0817-201 Algebra, Trigonometry, and Analytic Geometry I	3	0817-202 Algebra, Trigonometry, and Analytic Geometry II	3	Elective	3
Elective	4	Liberal Arts	4	Liberal Arts	4
	16		15		15

Summer

0810-299 Co-op Work Experience

Third Year

0810-204 Technical Drafting IV	3	0810-205 Technical Drafting V	3	0810-206 Technical Drafting VI	5
0810-213 Statics	5	0810-214 Strength of Materials	5	0810-222 Machine Design II	4
0810-215 Mechanisms	4	0810-221 Machine Design I	4	0847-102 Life After College	1
Liberal Arts	4	Liberal Arts	4	Liberal Arts	4
	16		16	Technical Elective	3
					17

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

Manufacturing Processes
Diploma Program

On-the-job Responsibilities
Set up and operate machine tools such as lathes, drill presses, and milling machines; shape metal into machine parts, following blueprints; and use special instruments to measure and check work.

Places of Employment
Manufacturing industries, metal-working industries, engineering firms, and engineering research firms

Positions for Which Graduates Qualify
Entry level and apprenticeship programs: tool and die maker, instrument maker, mold maker, pattern maker, model maker, inspector, machinist, NC operator, and NC programmer trainee

Prerequisite

- Fundamentals of College Mathematics

Approximate Time
10 quarters with C.O.R.E. year experience and one cooperative work experience
7 quarters (without C.O.R.E. year experience) with one cooperative work experience

Manufacturing Processes: Diploma

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0813-131	Manufacturing Processes I	4	0813-132	Manufacturing Processes II	4	0813-133	Manufacturing Processes III	4
0813-139	Blueprint Reading I	2	0813-140	Blueprint Reading II	2	0813-154	Precision Measurement	2
0817-140	Fundamentals of College Mathematics I	3	0817-141	Fundamentals of College Mathematics II	3	0817-142	Fundamentals of College Mathematics III	3
0847-100	Freshman Seminar	2	0847-101	Job Search Process	1		Communication*	2
	Communication	2		Communication	2		English*	4
	English	4		English	4		Physical Education	0
	Physical Education	0		Physical Education	0			15
		~~17			16			

Summer

0813-299 Co-op Work Experience

Second Year

0810-101	Basic Drafting I	2	0810-102	Basic Drafting II"	2	0812-152	Numerical Control II"	4
0813-134	Manufacturing Processes IV	4	0812-151	Numerical Control I"	4	0813-136	Manufacturing Processes VI	4
0813-151	Industrial Materials	3	0813-135	Manufacturing Processes V	4	0813-152	Manufacturing Analysis"	3
0817-128	Trigonometry	3	0813-153	Welding I"	2	0813-155	Welding II"	2
	Electives	4		Elective	2	0847-102	Life After College	1
		16			14			14

'Students who enter this program without the C.O.R.E. year experience will need to take additional English and communication courses.

''Technical Electives: During the final two quarters, students are required to take two or three suggested courses, and their total number of credit hours must equal no less than 12.

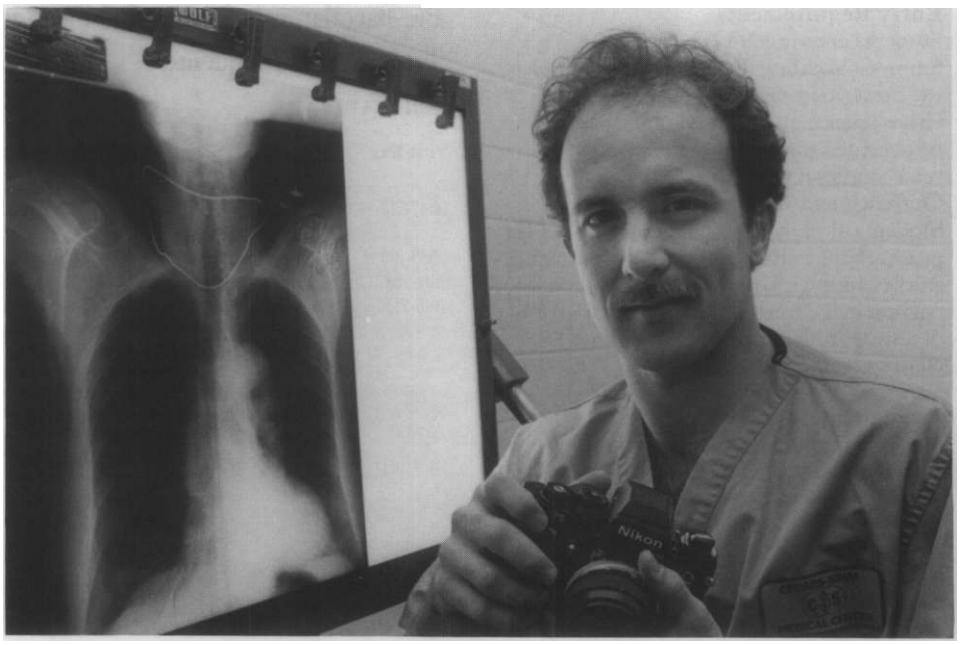
Pre-Baccalaureate Studies

Pre-baccalaureate studies are available as a bridge to students accepted by NTID who are not yet ready to enter into a baccalaureate level program at RIT. Students spend one year in these studies preparing for matriculation. Reasons for entering pre-baccalaureate studies include lack of necessary skills in either mathematics or English, indecision as to program of study, or lack of space in the chosen baccalaureate program.

Students receive no degree in pre-baccalaureate studies. Rather, at an appropriate time, they are advised to apply to the program of their choice and are assisted in doing so.

Pre-Baccalaureate Studies — Science and Engineering

While in the pre-baccalaureate studies, students receive academic advising as well as personal and career counseling. The academic program is flexible and is set up individually for each student. Courses are chosen to address as closely as possible the strengths and needs of individual students. Regular NTID technical and developmental courses taught by support department faculty members are supplemented by courses in the Colleges of Science and Engineering. This strategy enables students to develop needed skills while at the same time progressing in their chosen field of study.



Pre-Baccalaureate Studies, Science

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.*	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0847-218	Written Communication I"	4	0847-219	Written Communication II	4	0502-220	English Composition	4
0853-100	Freshman Seminar	2	0853-105	Learning Strategies	2	0853-220	Reading and Thinking in Science and Technology	3
0817-126	Algebra IIA	3	0817-127	AlgebraIIB	3	0817-128	Pre-Calculus	3
	or			or			or	
1016-204	College Algebra and Trigonometry*"	(4)	1016-214	Intro, to Calculus	(4)	1016-215	Intro, to Calculus II	(4)
	or			or			or	
1016-251	Calculus I	(4)	1016-252	Calculus II	(4)	1016-253	Calculus III	(4)
1010-251	General Chemistry	3	1010-252	General Chemistry	3	1010-253	General Chemistry	3
	or			or			or	
1001-201	General Biology and	(3)	1001-202	General Biology and	(3)	1001-203	General Biology and	(3)
1001-205	General Biology Lab	(1)	1001-206	General Biology Lab	(1)	1001-207	General Biology Lab	(1)
	or			or			or	
1017-200	Physics	(2)	1017-311	University Physics I	(3)	1017-312	University Physics Hand	(3)
			1017-371	and University Physics Lab I	(1)	1017-372	University Physics Lab II	(1)
	Communication	2		Communication	2			
	Physical Education	0		Physical Education	0			
		14-16			14-16			15-18

•All 100- and 200-level NTID courses are acceptable for credit in registered NTID A.AS. programs. The 200- and 300-level courses in the Colleges of Science and Liberal Arts cited on this page are acceptable for credit in College of Science programs.

"Students judged as proficient, those having a Michigan Test score higher than 80 and a 10th grade California Achievement Test score, start the English Composition series assigned by the NTID Liberal Arts Placement Test (LAPT). Students judged as provisionally qualified take at least one quarter of NTID English.

* *"Credits shown in parentheses ( ) are substituted for those directly above without parentheses, depending on which course is taken by the student.

Entry Requirements
Students entering NTID during the Summer Vestibule Program must complete the prescribed sampling experience in either science or engineering. Students may be accepted directly into the pre-baccalaureate studies if recommended by the Career Outreach and Admissions Department. Students already matriculated in an NTID program may change to pre-baccalaureate studies on the recommendation of their current department and with the approval of a support department advisor and chairperson.

Prerequisites
Students interested in the program must have the appropriate high school background for their area of interest. They should consult the RIT catalog for program requirements for each major. High school courses should be of a level comparable to New York State Regents or college preparatory. Grades should, ideally, be at the "B" level or better.

Approximate Time
Students generally take three or four quarters to matriculate in an associate or baccalaureate level program of study

Pre-Baccalaureate Studies, Engineering

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.*	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0847-218	Written Communication I"	4	0847-219	Written Communication II	4	0502-220	English Composition	4
0853-100	Freshman Seminar	2	0853-105	Learning Strategies	2	0853-200	Reading and Thinking in Science and Technology*"	3
1011-208	Chemistry	4	1016-252	Calculus II	4	1016-253	Calculus III	4
1016-251	Calculus I	4	1017-311	University Physics I	3	1017-312	University Physics II	3
	Communication	2	1017-371	University Physics Lab I	1	1017-372	University Physics Lab II	1
	Physical Education	0		Communication	2		Physical Education	0
		16		Physical Education	0			15
					16			

'All 100- and 200-level NTID courses are acceptable for credit in registered NTID A.A.S. programs. The 200- and 300-level courses in the Colleges of Science and Liberal Arts cited on this page are acceptable for credit in College of Engineering programs.

"Students judged as proficient, those having a Michigan Test score higher than 80 and a 10th grade California Achievement Test score, start the English Composition series assigned by the NTID Liberal Arts Placement Test (LAPT). Students judged as provisionally qualified take at least one quarter of NTID English.

'"Chemistry 1011-209 may be included in student's schedule if he/she is deferred from Reading and Thinking in Science and Technology during the Spring term.

Other RIT Programs in Engineering Careers

College of Applied Science and Technology

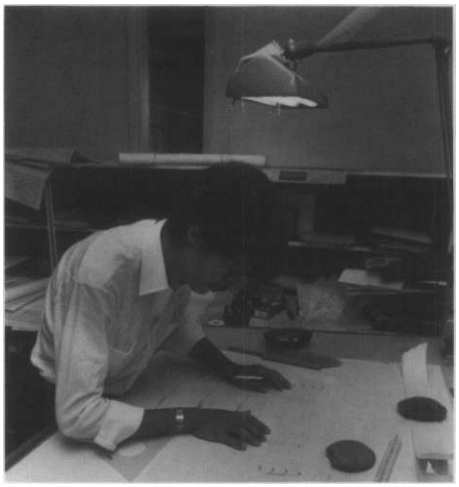
Civil Engineering Technology
This program offers two options — environmental controls and construction. The environmental option places emphasis on water and wastewater treatment. The construction option is oriented toward the building industry. Five quarters of cooperative work experience are required.
Degree granted: B. Tech.

Computer Engineering Technology
Students may enter this program either as transfers possessing an A.A.S. degree in an appropriate field, or as freshmen with a high school diploma. The program provides students with technical skills on an applied basis in both computer science and electrical engineering. These skills enable students to work in areas concerned with the interaction between computer hardware and software. Graduates will be qualified to seek employment in a variety of industries and businesses, and with government agencies concerned with microcoding, microprocessors, and the more complex mini and microcomputers. Five quarters of cooperative work experience are required.
Degrees granted: A.A.S., B.S.

Electrical Engineering Technology
Early emphasis in this program is on further mastery of circuit theory, materials for design, and mathematics. Later courses are elective options in electronic power, communications, and digital computer design. Five quarters of cooperative work experience are required.
Degree granted: B. Tech.

Energy Engineering Technology
This program prepares specialists in the field of residential, commercial, and industrial energy management and control. Five quarters of cooperative work experience are required.
Degree granted: B. Tech.

Manufacturing Engineering Technology
This program prepares students to apply sophisticated techniques to production processes. Courses emphasize computer-aided manufacturing, productivity, and related activities required to enter this increasingly complex field. Five quarters of cooperative work experience are required.
Degree granted: B. Tech.



Mechanical Engineering Technology
This program emphasizes the practical and applied aspects of engineering. Early emphasis is on further mastery of mechanics, electricity, and mathematics. Later courses are elective options in either manufacturing or mechanical design. Five quarters of cooperative work experience are required.
Degree granted: B. Tech.

Packaging Science
The three options — management, design, or technical — prepare students for initial employment in such areas as management, sales, marketing, purchasing, graphic design, structural design, product development, and the technical and engineering phases of production.
Degrees granted: B.S., M.S.

College of Engineering

Computer Engineering
This program, jointly sponsored by the Department of Electrical Engineering and the School of Computer Science and Technology, offers a blend of computer science and electrical engineering to enable graduates to incorporate computers with engineering products. Undergraduate students first develop proficiency in mathematics, science, and engineering fundamentals.*
Degree granted: B.S.

Electrical Engineering
Undergraduate students first develop proficiency in mathematics, science, and engineering fundamentals. Fundamental electrical studies include electromagnetics, energy conversion, circuit theory, and electronics. Graduate programs leading to master of engineering and master of science degrees give students the insight, understanding, and competence needed to meet demands of current and future positions in engineering.*
Degrees granted: B.S., M.E., M.S.

Electrical Engineering — A.A.S. Transfer Program
This specialized program provides a clearly defined route to the bachelor of science degree in Electrical Engineering for holders of an A.A.S. degree in Electrical Technology. Incoming students enroll in transfer adjustment courses as NTID pre-majors for several quarters before entering as third-year students.
Degree granted: B.S.

Industrial Engineering
Students learn design improvement and installation of integrated systems of persons, materials, and equipment. Students also develop specialized knowledge in mathematics and physical science with methods of engineering and design.*
Degree granted: B.S.

Mechanical Engineering
This program leads to a career in what may be the most comprehensive of all the engineering disciplines. Undergraduate students devote the first two years to the study of mathematics, physics, chemistry, and mechanics. The final three years integrate the cooperative work experience with professional subject matter in solid body mechanics or thermal fluid systems. The areas of manufacturing, environmental science, computer-aided design, and material science also are offered. Graduate programs leading to master of engineering and master of science degrees prepare students with insight, understanding, and competence to meet the demands of current and future positions in engineering.*
Degrees granted: B.S., M.E., M.S.

Microelectronic Engineering
This five-year program, offered in conjunction with the College of Graphic Arts and Photography and the College of Science, emphasizes the photolithographic aspects of microelectronic processing, and provides a broad background in optics, chemistry, device physics, computers, electrical engineering, and statistics. Students have hands-on experience in the design and production of integrated circuits and are prepared to enter industry directly or to pursue graduate work in the field*
Degree granted: B.S.

*Five quarters of cooperative work experience are blended into the final three years of this program.

School of Visual Communication Careers

Art Careers

The art field has two major career areas: applied and fine art. Applied artists create art to be used by other persons or companies for which they work. Fine artists create art to express themselves.

Other RIT Programs
Other applied art programs, as well as fine art and crafts programs, are available in the College of Fine and Applied Arts (CFAA). The Visual Communication Support Department assists students cross registered in this college.

Pre-Technical Program
Many students who want to enter the art program require a pre-technical program that usually lasts one quarter. Students can meet pre-technical program requirements and take core courses at the same time.

Core Program
Core courses provide basic art experience to prepare students for entry into a major. With the core experience as a basis, students may choose continued studies in either the Applied Art Department or the College of Fine and Applied Arts.

Real Work Experience
All NTID art students have an opportunity to gain experience with the real world of applied art. Applied Art students have a cooperative work experience as part of their third-year coursework. Cross-registered College of Fine and Applied Arts (CFAA) deaf students can work in the In-House Co-op program that is offered every summer. This experience is similar to a job in a professional art studio. Students complete various kinds of art production jobs for clients from all parts of the Rochester community. Students who work for In-House Co-op during the summer earn money while they learn important job skills.

Art House
A special interest Art House provides a living and learning experience for art students. More information on the Art House is available on page 75.

Applied Art

The NTID Applied Art Department prepares students for technical careers in applied art. Students may choose diploma or A.A.S. degree programs in Applied Art.

Applied Art
Diploma and A.A.S. Degree Programs

On-the-job Responsibilities

Produce artwork for advertising, sales promotion, public relations, and display purposes; prepare visual materials for brochures, pamphlets, slide programs, instructional media, magazine and newspaper advertisements, and posters; prepare artwork for printing; operate computers, typesetting, photostat, and other applied art studio equipment.

Places of Employment

Advertising agencies; art studios; large department stores; manufacturing, printing, or publishing firms; educational institutions; and government agencies

Positions for Which Graduates Qualify

Mechanical artist, production artist, and layout artist

Prerequisites

- Successful completion of a sampling experience in the art area, either through the Summer Vestibule Program or the Career Exploration course offered through the department
- Demonstrated skill in the following areas: two and three-dimensional design, freehand drawing, measurement, mathematics, technical media, program/career information, communication/language, personal/social skills, and work habits. Each competency (skill) has certain activities associated with it. Success is measured according to a checklist of specific requirements provided by the department.

Approximate Time

9 quarters

Applied Art: Diploma
Typical Course Sequence

First Year

Fall Term	Cr. Hrs.	Winter Term	Cr. Hrs.	Spring Term	Cr. Hrs.
0847-100 Freshman Seminar'	2	0849-112 Basic Design II	2	0849-113 Basic Design III	2
0847-101 Job Search Process*	1	0849-122 Basic Drawing II	3	0849-123 Basic Drawing III	3
0849-111 Basic Design I	2	0849-132 Media/Processes II	3	0849-133 Media/Processes III	3
0849-121 Basic Drawing I	3	0849-142 Career Seminar II	1	0849-143 Career Seminar III	1
0849-131 Media/Processes I	3	0849-150 Introduction to Computer Graphic Systems'"	2	Communication	2
0849-141 Career Seminar I	1	English	4	English	4
Applied Art Elective"	2	Physical Education	0		15
Communication	2		15		
Physical Education	0				
	16				

Second Year

0849-211 Layout Applications I	2	0849-212 Layout Applications II	2	0849-213 Layout Applications III	2
0849-221 Mechanical Preparation I	3	0849-222 Mechanical Preparation II	3	0849-223 Mechanical Preparation III	3
0849-231 Introduction to Typography I	2	0849-232 Introduction to Typography II	2	0849-233 Introduction to Typography III	2
0849-241 Art Survey I	2	0849-242 Art Survey II	2	0849-243 Art Survey III	2
0849-250 Computer Production Graphics****	2	English	4	Applied Art Elective"	2
Communication	2	Physical Education	0	English	4
	13		13		15

Third Year

0849-311 Graphic Applications I	5	0849-312 Graphic Applications II	5	0847-102 Life After College*	1
0849-321 Employment Seminar I	3	0849-322 Employment Seminar II	3	0849-313 Graphic Applications III	5
Applied Art Elective"	2	Applied Art Elective"	2	0849-323 Employment Seminar III	3
English	4	Communication	2	Applied Art Elective"	2
	14		12	Communication	2
					13

*May be waived by department; Career Seminar and Employment Seminar courses are appropriate substitutes.

**See page 50 for Applied Art Technical Electives; 10 or more elective credits are required for the diploma.

***Can be taken in either the Winter or Spring term of the first year.

**** Students are required to take Computer Production Graphics in either the Fall, Winter, or Spring term of the seco

Fall or Winter term of the third year.

Applied Art: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term	Cr. Hrs.	Winter Term	Cr. Hrs.	Spring Term	Cr. Hrs.
0847-100 Freshman Seminar*	2	0849-112 Basic Design II	2	0849-113 Basic Design III	2
0847-101 Job Search Process'	1	0849-122 Basic Drawing II	3	0849-123 Basic Drawing III	3
0849-111 Basic Design I	2	0849-132 Media/Processes II	3	0849-133 Media/Processes III	3
0849-121 Basic Drawing I	3	0849-142 Career Seminar II	1	0849-143 Career Seminar III	1
0849-131 Media/Processes I	3	0849-150 Introduction to Computer Graphic Systems"	2	Applied Art Elective***	2
0849-141 Career Seminar I	1	Communication	2	Communication	2
Communication	2	English	4	English	4
English	4	Physical Education	0		17
Physical Education	0		17		
	18				

Second Year

0849-211 Layout Applications I	2	0849-212 Layout Applications II	2	0849-213 Layout Applications III	2
0849-221 Mechanical Preparation I	3	0849-222 Mechanical Preparation II	3	0849-223 Mechanical Preparation III	3
0849-231 Introduction to Typography I	2	0849-232 Introduction to Typography II	2	0849-233 Introduction to Typography III	2
0849-241 Art Survey I	2	0849-242 Art Survey II	2	0849-243 Art Survey III	2
0849-250 Computer Production Graphics****	2	English	4	Applied Art Elective***	2
Communication	2		13	Communication	2
English	4			Liberal Arts	4
					17

Third Year

0849-311 Graphic Applications I	5	0849-312 Graphic Applications II	5	0847-102 Life After College*	1
0849-321 Employment Seminar I	3	0849-322 Employment Seminar **II**	3	0849-313 Graphic Applications III	5
Applied Art Elective*"	2	Applied Art Elective***	2	0849-323 Employment Seminar III	3
Liberal Arts	4	Liberal Arts	4	Applied Art Elective***	2
Physical Education	0	Liberal Arts	4	Liberal Arts	4
	14		18		15

*May be waived by department; Career Seminar and Employment Seminar courses are appropriate substitutes.

**Can be taken in either the Winter or Spring term of the first year.

***See below; 10 or more electives are required for the A.AS. degree

****Students are required to take Computer Production Graphics in either the Fall, Winter, or Spring term of the second year or in the Fall or Winter term of the third year.

Applied Art Technical Electives

	Credit Hours	Prerequisites
Applied Art Photography 0849-258	2	None
Three-Dimensional Applications 0849-267	2	None
Air Brush/Retouching 0849-277	2	Basic Design II0849-112 Basic Drawing II0849-122 Media/Processes II0849-132
Mechanical Perspective 0849-284	2	Basic Drawing 10849-121
Mechanical Drawing Methods 0849-285	2	Mechanical Perspective 0849-284
Drawing Applications 0849-287	2	Basic Drawing III 0849-123
Freehand Lettering 0849-294	2	Media/Processes 10849-131
Finished Lettering 0849-295	2	Freehand Lettering 0849-294

Other RIT Programs in Art

College of Fine and Applied Arts

School of Art and Design

Art Education
This program qualifies graduates for permanent certification to teach in New York State public schools or serves as a concentration in the practice of the creative arts and crafts.
Degree granted: M.S.T.

Computer Graphics Design
Graduates are primarily employed by corporations and companies specializing in computer graphics. Major skills developed in the program are two- and three-dimensional ci mputer graphics, programming, and ar ation. This is the only graduate-level (puter graphics program in the nati<

Deg granted: M.F.A.

Fine Arts
Students may concentrate in painting, printmaking, or medical illustration, and may take other art electives. Graduates qualify as professional artists and teachers.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Graphic Design
This program prepares students to use design as a method for communicating thoughts, concepts, opinions, and information. Career fields include industrial design, art agencies, studios, government, and social or non-profit organizations. Graduates can serve as creative members of problem-solving teams or prepare for teaching at the college or university level.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Industrial and Interior Design
This program prepares students to design for social, industrial, and environmental use. The environmental designer works with interior and exterior space, product design, and exhibit design. Concern is given to future planning for human needs on all levels.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Packaging Science — Design
Students study design applications for project packaging in an interdisciplinary program emphasizing design, management, packaging theory and techniques, and liberal arts. Practical application of design theory is an important component of this program. Graduates are prepared to enter corporate packaging and marketing departments and packaging consulting firms.
Degree granted: B.S.

School for American Craftsmen

Ceramics/Ceramic Sculpture
Graduates are self-employed as designer-craftsmen, designers, or technicians in industry and as teachers or administrators of craft programs. Professional competencies are developed in such areas as fabrication, chemistry, and application of glazes; organization of ceramic shops for efficient production; ceramic raw material; kiln types; fuels; and construction.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Double Craft Major
The School for American Craftsmen offers a limited number of double craft majors. Requests for the major are reviewed after the successful completion of two years of study in one major concentration.
Degree granted: B.F.A.

Glass
Graduates are self-employed as designer-craftsmen, designers, or technicians in industry, as well as teachers or administrators of craft programs. Professional competencies are developed in organization and construction of the glass studio, function and care of tools, analysis of glass as a material, glass fabrication, glass design, cold-working techniques, mixing of batch glass, and color and fuming techniques.
Degrees granted: A.A.S., B.F.A, M.F.A., M.S.T.

Metalcrafts and Jewelry
Graduates are self-employed as designer-craftsmen, designers, or technicians in industry, and as teachers or administrators of craft programs. Professional competencies are developed in use of equipment; metalcrafts techniques and production in various metals; and raising, forging, forming, plainishing, enameling, and designing jewelry, flatware, and hollow ware.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Weaving and Textile Design
Graduates are self-employed as designer-craftsmen, designers, or technicians in industry, and as teachers or administrators of craft programs. Professional competencies are developed in such areas as fabric design, analysis of equipment and problems, pattern drafting, analysis of fibers, use of eight to 10 harness looms, power looms, techniques of weaving, and design within price range.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Woodworking and Furniture Design
Graduates are self-employed as designer-craftsmen, designers, or technicians in industry, and as teachers or administrators of craft programs. Professional competencies are developed in such areas as functions and care of woodworking tools, wood as material, techniques of wood fabrication, design, layout, construction analysis, veneering and finishing, estimating, and production.
Degrees granted: A.A.S., B.F.A., M.F.A., M.S.T.

Photo/Media Technologies Careers

People in photo/media technologies careers usually fit into two categories — people who take photographs and people who perform support functions in a photographic or media production facility. These two areas represent large segments of the industries that use photography and television as a means of communication. They involve jobs such as developing film, making prints and display transparencies, assisting in video production, and making special effects slides.

Students may choose diploma and A.A.S. degree programs in Custom Photographic Laboratory Services or Media Production.

Other RIT Programs

Other photography programs are available in the College of Graphic Arts and Photography; other media programs are available in the College of Applied Science and Technology. The Photo/Media Technologies Department offers courses to prepare students who are interested in bachelor's degree level programs. The Visual Communication Support Department assists students cross registered in those colleges.

Prerequisite

- Successful completion of a sampling experience in Photo/Media Technologies, either through the Summer Vestibule Program or a departmental sampling program.

Pre-Technical Program

The Photo/Media Technologies Department does not have a pre-technical program. Instead, it offers a common Core of courses, lasting two quarters, that enables students to develop basic photographic and media skills. During the second quarter, a special course, "Introduction to Photographic Careers," is taught. At the completion of that course, students select one of the two options offered by the department: Custom Photographic Laboratory Services or Media Production.

Custom Photographic Laboratory Services Option

On-the-job Responsibilities

Work in the darkroom developing by hand and with machines, make color and black-and-white prints, enlarge photographs, and perform custom copy services.

Places of Employment

Custom or commercial color labs and in-house industrial photographic labs

Prerequisite

- Completion of Core I and Core II with a C average in technical courses

Custom Photographic Laboratory Services Diploma Program

Students concentrate on custom color printing and processing.

Positions for Which Graduates Qualify

Paper processor operator, custom color printer, video color negative analyzer operator, custom copy camera operator, control chemical mix person, roller transport processor operator, dip and dunk processor operator, and custom color technician

Approximate Time

6 quarters, including Core I and Core II

Custom Photographic Laboratory Services: Diploma

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0847-100	Freshman Seminar	2	0851-102	Black and White Printing	2	0851-200	Basic Color Printing	4
0851-101	Introduction to Photo Printing	4	0851-112	Film Processing	2	0851-210	Mechanized Film Processing	2
0851-111	Introduction to Film Processing	2	0851-122	Introduction to Copy Work	2	0851-220	Print Finishing	2
0851-121	Introduction to Cameras	2	0851-132	Orientation to Photo/Media Careers	2		Communication	2
	Communication	2	0851-142	Introduction to Advanced Photographic Studies*	2		English	4
	English	4		Communication	2		Physical Education	0
	Physical Education	0		English	4			14
		16		Physical Education	0			
					14-16			

Second Year

0847-101	Job Search Process	1	0851-202	Custom Color Printing II	4	0847-102	Life After College	1
0851-201	Custom Color Printing I	4	0851-212	Integrated Custom Lab II	2	0851-203	Custom Color Printing III	4
0851-211	Integrated Custom Labi	2	0851-222	Introduction to Slide Duplicating	2	0851-213	Integrated Custom Lab III	2
0851-221	Advanced Black and White Printing	2		Communication	2	0851-223	Introduction to Color Copy Work	2
	Communication	2		English	4		Communication	2
	English	4			14		General Education or other elective	2
		15						

"This elective is for students who need to evaluate their interest and readiness for advanced program areas.

Custom Photographic Laboratory Services

A.A.S. Degree Program

Students concentrate on advanced custom color printing techniques

Positions for Which Graduates Qualify
All diploma positions, plus custom color print inspector/evaluator and advanced custom color printer technician

Approximate Time
10 quarters, including Core I and Core II and a cooperative work experience

Custom Photographic Laboratory Services: A.A.S. Degree

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0847-100	Freshman Seminar	2
0851-101	Introduction to Photo Printing	4
0851-111	Introduction to Film Processing	2
0851-121	Introduction to Cameras	2
	Communication	2
	English	4
	Physical Education	0
		16

Second Year

0847-101	Job Search Process	1
0851-201	Custom Color Printing I	4
0851-211	Integrated Custom Labi	2
0851-221	Advanced Black and White Printing	2
	Communication	2
	English	4
		15

Third Year

0851-301	Advanced Custom Color Printing I	4
0851-314	Integrated Custom Lab IV	2
	General Education or other elective	2
	Liberal Arts	4
		12

Winter Term

		Cr. Hrs.
0851-102	Black and White Printing	2
0851-112	Film Processing	2
0851-122	Introduction to Copy Work	2
0851-132	Orientation to Photo/Media Careers	2
0851-142	Introduction to Advanced Photographic Studies*	2
	Communication	2
	English	4
	Physical Education	0
		14-16

0851-202	Custom Color Printing II	4
0851-212	Integrated Custom Lab II	2
0851-222	Introduction to Slide Duplicating	2
	Communication	2
	English	4
		14

0851-200	Basic Color Printing	4
0851-210	Mechanized Film Processing	2
0851-220	Print Finishing	2
	Communication	2
	English	4
	Physical Education	0
		14

0851-203	Custom Color Printing III	4
0851-213	Integrated Custom Lab III	2
0851-223	Introduction to Color Copy Work	2
	Communication	2
	Liberal Arts	4
		14

Summer

0851-299	Co-op Work Experience

0851-302	Advanced Custom Color Printing II	4
0851-315	Integrated Custom LabV	2
	Liberal Arts	4
	Liberal Arts	4
		14

0847-102	Life After College	1
0851-303	Advanced Custom Color Printing III	4
0851-316	Integrated Custom Lab VI	2
	General Education or other elective	2
	Liberal Arts	4
		13

'This elective is for students who need to evaluate their interest and readiness for advanced program areas.

Media Production: Diploma

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0847-100	Freshman Seminar	2
0851-101	Introduction to Photo Printing	4
0851-111	Introduction to Film Processing	2
0851-121	Introduction to Cameras	2
	Communication	2
	English	4
	Physical Education	0
		16

Second Year

0847-101	Job Search Process	1
0851-242	Media Graphics II	3
0851-262	Media Photo II	3
0851-281	Slide Production I	3
	Communication	2
	English	4
		16

Winter Term

		Cr. Hrs.
0851-102	Black and White Printing	2
0851-112	Film Processing	2
0851-122	Introduction to Copy Work	2
0851-132	Orientation to Photo/Media Careen	2
0851-142	Introduction to Advanced Photographic Studies*	2
	Communication	2
	English	4
	Physical Education	0
		14-16

0851-251	Basic Computer Graphics	3
0851-271	Videography I	3
0851-282	Slide Production II	3
	Communication	2
	English	4
		15

Spring Term

		Cr. Hrs.
0851-241	Media Graphics I	3
0851-261	Media Photo I	3
0851-290	AV Equipment Applications	2
	Communication	2
	English	4
	Physical Education	0
		14

0847-102	Life After College	1
0851-283	Slide Production III	3
0851-296	Media Production Workshop I	6
	Communication	2
		12

"This elective is for students who need to evaluate their interest and readiness for advanced program areas.

Media Production: A.A.S. Degree

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0847-100	Freshman Seminar	2
0851-101	Introduction to Photo Printing	4
0851-111	Introduction to Film Processing	2
0851-121	Introduction to Cameras	2
	Communication	2
	English	4
	Physical Education	0
		16

Second Year

0847-101	Job Search Process	1
0851-242	Media Graphics II	3
0851-262	Media Photo II	3
0851-281	Slide Production I	3
	Communication	2
	English	4
		16

Third Year

0851-343	Media Graphics III	3
0851-372	Videography II	3
0851-384	Slide Production IV	3
	Liberal Arts	4
	Liberal Arts	4
		17

Winter Term

		Cr. Hrs.
0851-102	Black and White Printing	2
0851-112	Film Processing	2
0851-122	Introduction to Copy Work	2
0851-132	Orientation to Photo/ Media Careers	2
0851-142	Introduction to Advanced Photographic Studies*	2
	Communication	2
	English	4
	Physical Education	0
		14-16

0851-251	Basic Computer Graphics	3
0851-271	Videography I	3
0851-282	Slide Production II	3
	Communication	2
	English	4
		15

Summer

0851-299	Co-op Work Experience

0851-352	Computer Graphics II	3
0851-373	Videography III	3
0851-385	Slide Production V	3
	Liberal Arts	4
		13

Spring Term

		Cr. Hrs.
0851-241	Media Graphics I	3
0851-261	Media Photo I	3
0851-290	AV Equipment Applications	2
	Communication	2
	English	4
	Physical Education	0
		14

0851-283	Slide Production III	3
0851-296	Media Production Workshop I	6
	Communication	2
	Liberal Arts	4
		15

0847-102	Life After College	1
0851-396	Media Production Workshop II	6
0851-397	Media Seminar	2-6
	Liberal Arts	4
		13-17

'This elective is for students who need to evaluate their interest and readiness for advanced program areas.

Media Production Option

On-the-job Responsibilities
Make slides, photographic prints, overhead transparencies, videotapes, and special effects slides.

Places of Employment
Industrial training or media departments, audiovisual production houses, and school or university media centers

Prerequisite
- Completion of Core I and Core II with a C average in technical courses

Media Production
Diploma Program

Students concentrate on developing basic skills in photography, slide production, darkroom techniques, videotape production, and use of a variety of graphic materials.

Positions for Which Graduates Qualify
Copy technician, special effects slide camera operator, media photography technician, media production technician, and television production technician

Approximate Time
6 quarters, including Core I and Core II

Media Production
A.A.S. Degree Program

Students concentrate on all diploma skills, plus advanced skills in special effects slides production, television production, and use of a wide variety of graphic materials with the help of computers.

Positions for Which Graduates Qualify
All diploma positions, but at a higher entrance level

Approximate Time
10 quarters, including Core I and Core II and a cooperative work experience

Other HIT Programs in Photography

College of Applied Science and Technology

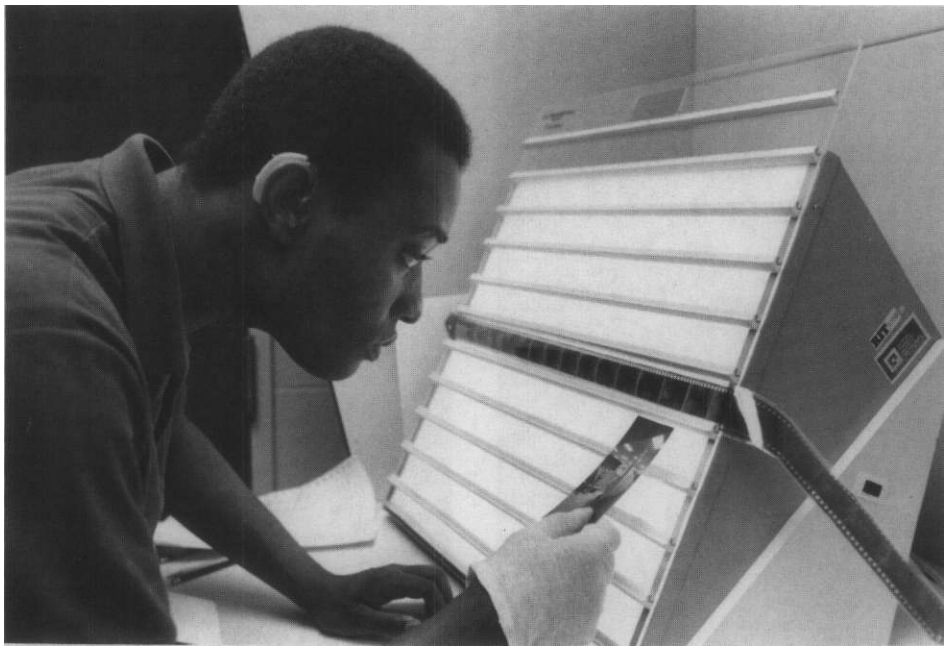
Audiovisual Communications
This is a transfer program specifically designed to expand and improve the skills of graduates of two-year programs in media or audiovisual technology. Innovative in concept, pragmatic in its approach, and stressing practical experience, it is a stepping stone to job opportunities with audiovisual production companies. The degree prepares graduates to design and produce a variety of audiovisual programs and materials.
Degree granted: B.S.

College of Graphic Arts and Photography

Biomedical Photographic Communications
This program prepares students for careers in media production, working with allied health teams in hospitals, medical and dental research centers, and other health institutions. Students can qualify for employment at the end of the second year and have the educational background necessary to apply for registration as a biological photographer.
Degrees granted: A.A.S., B.S.

Film and Video
This program features an introduction to the disciplines of film and television with advanced work in either. The curriculum emphasizes production, and short periods of outside professional experience are encouraged, usually during the summer. The program is intended to acquaint students with film and television as creative media as well as to develop production skills.
Degrees granted: A.A.S., B.S.

Imaging and Photographic Technology
This program prepares students for entry into a variety of positions in technical photography, as distinct from providing highly specialized training for specific positions. Positions for which students will be trained include both picturemaking (scientific photography, high-speed photography, technical illustration, audiovisual production, and photographic testing) and non-picturemaking (technical writing, quality control, technical representative, sales, product development and testing, applied research, laboratory supervision, and management).
Degrees granted: A.A.S., B.S.



Imaging Arts
The master of fine arts program in photography emphasizes photography as an art form. It gives each student an opportunity to pursue graduate study in photography as a means to personal, aesthetic, intellectual, and career development. Three majors are available within the program: photography, filmmaking, and museum practice.
Degree granted: M.F.A.

Imaging Science
Students learn the application of physics, chemistry, and mathematics to photography; the materials and processes of photography; the application of photography; and the application of photographic processes to science and technology. Undergraduate course content is comparable to that of engineering programs — mathematics, physics, and chemistry of radiation-sensitive systems, optics, and image formation. The master of science program prepares students for higher level positions in the photographic industry or in the application of photography to problems of science and engineering.
Degrees granted: A.A.S., B.S., M.S.

Photographic Processing and Finishing Management
Students develop a thorough knowledge of photographic processes, production techniques and procedures, and business, including aspects of promotion and selling in a competitive market.
Degrees granted: A.A.S., B.S.

Professional Photographic Illustration
Students learn photographic skills to solve visual communication problems, leading to vocations in studio and mass media. Students develop innovative and individualized responses to visual problems and are expected to become sensitive to contemporary graphic design.
Degrees granted: A.A.S., B.F.A.

Printing Careers

Printing is the process of using ink to transfer images to paper or other materials, including paper in such forms as books, magazines, newspapers, labels, and posters. Printing is one of the world's larger industries, with a growing demand for skilled people to operate the many complex machines. Students are taught hands-on skills incorporating modern printing technology and machinery with the opportunity to specialize in two or more career fields in printing.

Other RIT Programs
Other printing programs are available in the College of Graphic Arts and Photography. The Visual Communication Support Department assists students cross registered in this college.

Pre-Technical Program
None

Printing Production Technology

Students may choose certificate, diploma, or A.A.S. degree programs in Printing Production Technology at NTID.

The program offers individualized training in four areas of offset lithography: photocomposition and paste-up, camera, stripping and platemaking, and press and finishing.

Printing Production Technology

Certificate, Diploma, and A.A.S. Degree Programs

On-the-job Responsibilities
Operate computer typesetters, prepare mechanical art, make film originals, operate process cameras, operate photo processing equipment, strip films, make plates, and operate offset presses and bindery finishing machines.

Places of Employment
In-plant print shops, commercial printing plants, newspapers, book and magazine printers, and U.S. government printing facilities

Positions for Which Graduates Qualify
Camera operator, paste-up artist, photolettering machine operator, keyboard operator, phototypesetter operator, black and white stripper, spot color stripper, process color stripper, platemaker, duplicator operator, small press operator, and bindery/finishing person

Prerequisite
- Successful completion of a sampling experience in Printing Production Technology, either through the Summer Vestibule Program or a departmental sampling program

Approximate Time
5 quarters for certificate
9 quarters for diploma, including cooperative work experience
10 quarters for A.A.S. degree, including cooperative work experience

Printing Production Technology: Certificate

Students must complete a Level I course from each of the four areas of offset lithography and Integrated Printing Lab I.

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0822-	Level I Printing	5	0822-	Level I Printing	5
0822-	Level I Printing	5		Communication	2		Communication	2
0847-100	Freshman Seminar	2		English	4		Elective	2
	Communication	2		General Education	2		English	4
	English	4		Physical Education	0		General Education	2
	Physical Education	0			13		Physical Education	0
		16						15

Second Year

0822-	Level I Printing	5	0822-	Level I Printing	5			
0847-101	Job Search Process	1	0822-170	Production Printing I	2			
	Communication	2	0847-102	Life After College	1			
	English	4		Communication	2			
	General Education	2		English	4			
		14			14			

Printing Production Technology: Diploma

Students must complete the following requirements: one Level I course from each of the four areas of offset lithography; two Level II and two Level III courses from any two of those areas; and Production Printing I, II, and III. In addition, a co-op work experience is required.

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.			Cr. Hrs.
0817-120	Basic Mathematics	3	0822-	Level I Printing	5	0822-	Level I Printing	5
0822-	Level I Printing	5		Communication	2		Communication	2
0847-100	Freshman Seminar	2		Elective	2		Elective	2
	Communication	2		English	4		English	4
	English	4		General Education	2		General Education	2
	Physical Education	0		Physical Education	0		Physical Education	0
		16			15			15

Second Year

0822-	Level I Printing	5	0822-	Level II Printing	5	0822-	Level III Printing	5
0847-101	Job Search Process	1	0822-170	Production Printing I	2	0822-269	Production Printing II	2
	Communication	2		Communication	2		Elective	2
	Elective	2		Elective	2			9
	English	4		General Education	2			
		14			13			

Summer

0822-299 Co-op Work Experience

Third Year

0822-	Level II Printing	5	0822-	Level III Printing	5
0822-270	Production Printing III	2	0847-102	Life After College	1
	General Education	2		Communication	2
		9			8

Printing Production Technology: A.A.S. Degree

Students must complete the following requirements: one Level I course from each of the four areas of offset lithography; two Level II and Level III courses from any two of those areas; Production Printing Lab I, II, III, and IV; nine additional printing credits; five Liberal Arts courses; and a co-op work experience.

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0822-	Level I Printing	5	0822-	Level I Printing	5
0822-	Level I Printing	5		Communication	2		Communication	2
0847-100	Freshman Seminar	2		Elective	2		Elective	2
	Communication	2		English	4		English	4
	English	4		General Education	2		General Education	2
	Physical Education	0		Physical Education	0		Physical Education	0
		16			15			15

Second Year

0822-	Level I Printing	5	0822-	Level II Printing	5	0822-	Level III Printing	5
0847-101	Job Search Process	1		Communication	2	0822-170	Production Printing I	2
	Communication	2		Elective	2		Liberal Arts	4
	Elective	2		Liberal Arts	4			11
	English	4			13			
		14						

Summer

0822-299 Co-op Work Experience

Third Year

0822-	Level II Printing	5	0822-	Level III Printing	5	0822-271	Production Printing IV	2
0822-269	Production Printing II	2	0822-270	Production Printing III	2	0847-102	Life After College	1
	Communication	2		Elective	2		Elective	2
	Liberal Arts	4		Liberal Arts	4		Liberal Arts	4
	Printing Elective	3		Printing Elective	3		Printing Elective	3
		16			16			12

Other RIT Programs in Printing

College of Graphic Arts and Photography

Newspaper Production Management
This program prepares students for careers in technical management for the newspaper industry by developing an appreciation of tactics and strategies for evaluating and controlling production problems. It incorporates engineering approaches to problem solving.
Degree granted: B.S.

Printing
This program prepares students for careers in printing production management by developing an appreciation of aesthetic qualities of good printing and application of science and engineering in graphic arts. Theory and practice in management and communication skills are taught.
Degrees granted: A.A.S., B.S.

Printing and Applied Computer Science
This program prepares students for entry positions in printing systems analysis, production control, engineering liaison, customer engineering, marketing support, process engineering, and production design. These lead to positions as production and operations managers and as directors of computer technology.
Degree granted: B.S.

Printing Systems Engineering
This program prepares students for careers that emphasize measurement and control techniques, problem solving, and optimization of operating conditions in the industrial technological environment of the printing industry.
Degree granted: B.S.

Printing Technology and Printing Education
The master of science program in printing is a professional program designed to provide graduate education in printing for students whose undergraduate majors were in the arts, sciences, education, or other non-printing areas, as well as for graduates with a major in printing. Students may concentrate in either Printing Technology or Printing Education.
Degrees granted: M.S., M.S.T.

Educational Interpreting

Educational Interpreting
A.A.S. Degree Program

On-the-job Responsibilities
This program prepares students to work in educational and similar settings where deaf persons are present who can use interpreting and other support services such as tutoring and notetaking.

Places of Employment
Elementary, secondary, and postsecondary educational institutions; community service organizations; vocational rehabilitation agencies; business/industry; and government agencies

Special Entrance Requirements
High school diploma or equivalent, intermediate sign language competence, minimum SAT score of 800.

A pre-A.A.S. program may be required of some students depending on skill level at application. It includes Basic Sign Language I, II, and III, and is offered before the fall quarter of entrance.

This is a two-year program for a typical entering freshman who has basic sign language competency.

Approximate Time
6 quarters, may be taken over a three-year period.

Educational Interpreting: A.A.S. Degree

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0520-220	English Composition	4	0850-211	Voice Interpreting I	3	0520-332	Literature	4
0850-200	Sign Vocabulary Development	1	0850-262	Theory and Practice of Interpreting II	3	0850-203	American Sign Language I	3
0850-210	Fingerspelling and Number Comprehension	3	0850-331	Expressive Transliterating	3	0850-252	Aspects and Issues of Deafness II	3
0850-251	Aspects and Issues of Deafness I	3	0850-391	Principles of Tutoring/Notetaking	3	0850-271	Professional Interpreter I	3
0850-261	Theory and Practice of Interpreting I	3		Liberal Arts Social Science Elective (one of two)	4		Liberal Arts Social Science Elective (two of two)	4
10-289	Contemporary Science Elective (biology, chemistry, physics, or mathematics)	4		Physical Education	0		Physical Education	0
		18			16			17

Optional Summer Quarter

0850-281	Interpreting Practicum I	5
0850-283	Interpreting Seminar I	1
		6

Second Year

0850-212	Voice Interpreting II	3	0850-206	American Sign Language II	3	0502-520	College Vocabulary Skills	4
0850-332	Expressive Transliterating II	3	0850-213	Voice Interpreting III	3	0850-204	American Sign Language Interpreting I	3
0850-343	Expressive Oral Transliterating	3	0850-281	Interpreting Practicum I	5	0850-382	Interpreting Practicum II	5
0850-372	Professional Interpreter II	3	0850-283	Interpreting Seminar I	1	0850-384	Interpreting Seminar II	1
	Liberal Arts Science and Humanities	4	0850-392	Tutoring/Notetaking Practicum	3	0850-396	Support Service Professional	3
	Physical Education	0	0850-395	Mainstreaming: Educational Programs and Alternatives	3			16
		16			18			

Optional Summer Quarter

0850-382	Interpreting Practicum II	5
0850-384	Interpreting Seminar II	1
		6

Communication Development

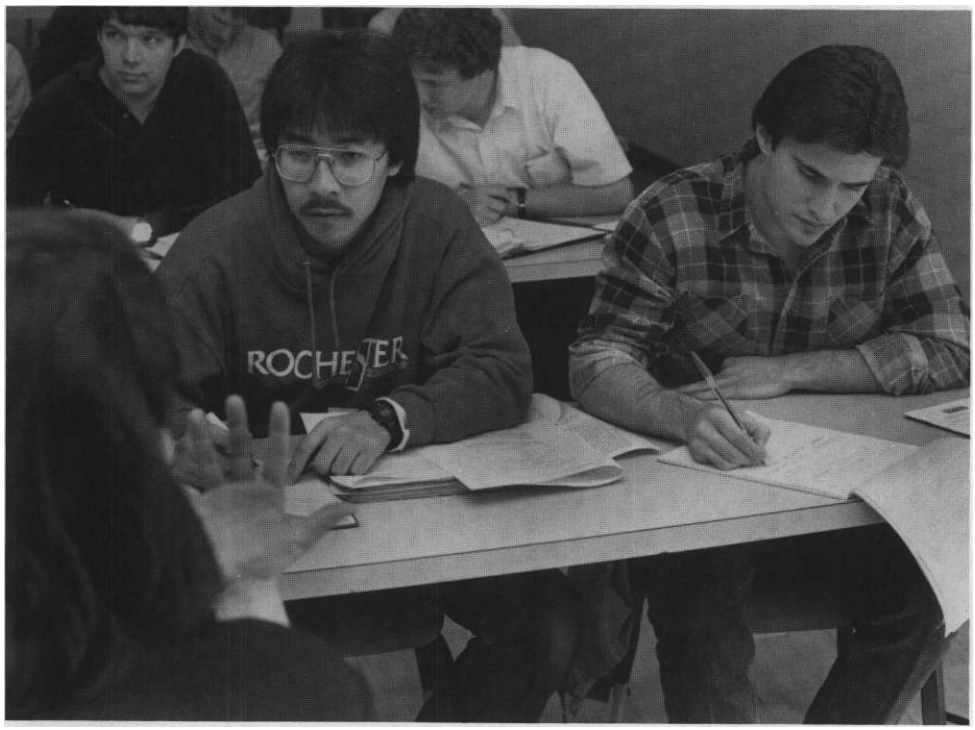
Communication skills are critical for success in college, on the job, and in the community. NTID recognizes the need for efficient, effective communication and has established services covering all types of communication. Instruction and related services are provided in reading, writing, grammar/vocabulary, use of residual hearing, speechreading, speaking, and sign/simultaneous communication.

Course Requirements

Students are required to take 32 credits of communication courses, including English language, audiology, speech, and sign/simultaneous communication. Students may demonstrate English proficiency by achieving certain test scores or completing certain English language courses with passing grades. These courses are designed for students who demonstrate need for additional work in English in order to reach their degree goals. The courses in audiology, speech, and sign/simultaneous communication depend on students' individual communication skill assessments and personal career development goals. Courses focus on overall communicative competency and specific skill areas. Students who have completed the 32-credit requirement may take additional courses as electives.

Communication Learning Centers

The Communication Program has several learning centers. In the Self-Instruction Lab, students work with staff members to practice skills they have learned in their coursework in listening, speaking, and sign/simultaneous communication. Assignments in the English Learning Center Lab help students use their reading and writing skills through small group instruction and individual tutoring. The Computer-Assisted Language Learning Lab, which is part of the English Learning Center, can help students improve their reading and writing skills by using word processors and computer-based instruction. Independently and in the Telecommunication Lab, students practice using telephone equipment. Lab assignments are only one part of a communication course. The other parts of a course include homework assignments and working with the instructor individually or in small groups.



General Education Courses

NTID's Division of General Education offers a variety of courses in the social sciences, humanities, and performing arts. These courses provide a sound General Education experience for students completing certificates, diplomas, and A.O.S. degrees at NTID. The General Education curriculum also provides preparatory courses for A.A.S. and B.S. degree students who will complete their Liberal Arts requirements in RIT's College of Liberal Arts. Students taking General Education courses have the opportunity to develop the skills and knowledge they will need to function successfully as college students, employees or employers, and citizens.

All courses in the General Education curriculum emphasize the development of academic skills (thinking, reading, and writing) and the importance of understanding the variety of ways that humans respond to personal, social, and political challenges. Students are encouraged to apply their academic skills and knowledge to understanding and facilitating their own personal and social growth. There are specific courses offered in history, personal finance, practical law, current political events, economics, biblical history, literature, deaf heritage, and human development. In addition to social science and humanities courses, students have the opportunity to study the performing arts through courses in theater, dance, and music instruction. The General Education curriculum also offers students the opportunity to explore their career goals and acquire the knowledge and skills that they will need to meet their career objectives.

Required Courses
All NTID students are required to take three General Education courses:

- **Freshman Seminar** helps students explore the academic and personal challenges of college life. This course usually is taken during the first or second quarter.
- **The Job Search Process** teaches students many skills that they will need to find a job.
- **Life After College** is taken just before graduation and provides students with information that they will need to function on and off the job.

Associate in Occupational Studies

In addition to the General Education courses required of all NTID students, students pursuing the A.O.S. degree are required to take the following three interdisciplinary courses and one General Education elective.

Human Experience I: An Individual Life explores the development of the individual, using examples from science, art, and literature. This course emphasizes personal decision making based on accurate information and clarification of personal values.

Human Experience II: The Individual and Society explores the way that the individual and society influence each other. This course emphasizes responsible social action based on accurate information and an understanding of the individual's rights and responsibilities.

Human Experience III: The Individual and Technology investigates the impact of technology on society and the individual. This course emphasizes persuasive communication of ideas based on accurate information, clarification of personal values, and an understanding of the individual's rights and responsibilities.

Writing Program
General Education offers a developmental writing course sequence, Written Communication I and Written Communication II, for students who have met the NTID English Guidelines requirements for entry into Liberal Arts courses. These courses provide additional experience with writing techniques needed for success in the College of Liberal Arts course in English Composition.

Eligible students must see the Department of Liberal Arts Writing Coordinator to register for these courses.

Performing Arts

The Department of Performing Arts, which includes the NTID Theatre, offers training and experiences in theater, music, and dance. Students may take courses in many aspects of theater, including acting and stage production. Deaf and hearing students also perform as actors, dancers, and musicians in dramatic productions and work with makeup, costumes, set, and lighting design.

Many students perform in musical groups or join the Sign/Sing Choir. A dance program brings together students who are interested in improving their techniques as well as giving performances. An outreach program, Sunshine Too, offers graduates an opportunity to employ their skills by performing for a variety of audiences around the country.

RIT's College of Liberal Arts

Students enrolled in A.A.S. or B.S. degree programs take required courses in language and literature, behavioral and social sciences, and science and humanities in the RIT College of Liberal Arts. They can choose between course sections taught by NTID Liberal Arts Support faculty or course sections taught by RIT College of Liberal Arts faculty, with support services provided by the NTID Liberal Arts Support staff.

Liberal Arts courses taught by NTID faculty members are sections of College of Liberal Arts courses designed especially for NTID students. Instructors use simultaneous communication and provide students with additional study guides and materials, so that interpreters and notetakers are not needed.

Liberal Arts courses taught by RIT faculty members include both deaf and hearing students, and are taught by College of Liberal Arts faculty. Support services are provided by the NTID Liberal Arts Support staff and include academic advising, interpreting, notetaking, and tutoring.

Advising guideline for Liberal Arts courses
It is strongly recommended that students earn a passing grade in English Composition before taking any other Liberal Arts

Prerequisites for English Composition

- placement in English Composition based on the NTID Liberal Arts Placement Test (LAPT)
- satisfactory completion of Written Communication II.

Students seeking an A.A.S. degree through NTID are required to take five lower division courses in the College of Liberal Arts: English Composition, Literature, and one course each in Behavioral Science, Social Science, Science and Humanities.

Liberal Arts courses offered by NTID faculty include:

Language, Literature, and Communication
English Composition
Literature

Behavioral Science
Cultural Anthropology
General Sociology
Introduction to Psychology

Social Science
Ideology and the Political Process

Science and Humanities
History: Modern American

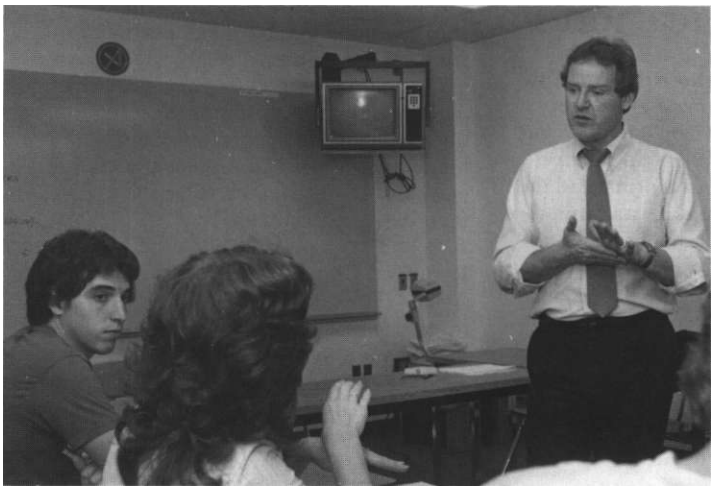
Senior Seminar

Students cross registered in programs in colleges other than NTID should consult with their major department for information about required Liberal Arts courses.

The Liberal Arts Curriculum

All RIT students are required to pursue a curriculum of study in the humanities and social sciences in the College of Liberal Arts. Students in the various RIT associate and baccalaureate degree programs will complete this entire Liberal Arts curriculum, or a modification of it, as required for their particular degree program. Faculty academic advisors in the College of Liberal Arts and in the other colleges of the Institute will assist students in interpreting the Liberal Arts curriculum as it applies to their particular degree program. The curriculum consists of 14 courses (54 quarter credits) arranged in five groups:

1. English Composition
2. A core curriculum of six foundation courses in the humanities and social sciences
3. A disciplinary or interdisciplinary concentration of three advanced courses
4. Three advanced electives
5. The Liberal Arts Senior Seminar and Project



All are four-credit courses except the Liberal Arts Senior Seminar and Project, which is a two-credit course.

Courses
The courses of the curriculum are taught in disciplinary areas as well as in interdisciplinary fields of study.

Concentrations
A concentration is a group of closely related advanced courses from which the student chooses three. The student's liberal/general education is enhanced by such concentrations in the following ways:

1. Students achieve greater depth in learning because they have, where necessary, taken the prerequisites for these courses and because they benefit from the accumulated depth of the three-course concentrations themselves.
2. They achieve a kind of "minor" in an area of liberal education.
3. They are able to see cohesion among at least three of their advanced courses.
4. They are able to build on and to link new learning to their core courses.
5. They can develop more judgment and understanding in an area of RIT or individual college goals.

Concentrations are pursued in the third, fourth, or fifth year of the baccalaureate programs and can take either of the following forms:

1. Disciplinary Concentrations: three related courses in a single discipline leading to an in-depth knowledge of the methods, problems, and achievements of that mode of inquiry.
2. Interdisciplinary Concentrations:
   a. three interdisciplinary courses on a single broad theme or topic
   b. three related courses from different disciplines, each of which speaks to some aspect of a common area, subject, or topic
   c. a mixture of a and b.

Students select three courses chosen from the four to eight that make up the concentration. The limited number of courses qualifying for the concentration increases the frequency with which they will be offered and the flexibility students will have in scheduling and registration. Some courses may qualify for several different concentrations. This offers students flexibility in changing concentrations.

The Liberal Arts concentrations available to RIT baccalaureate students are:

Disciplinary Concentrations
Prerequisites and specific courses qualifying for each of the following disciplinary concentrations will be determined by the Liberal Arts academic committees responsible for these areas of study. In each case, students choose three of the four to six courses that qualify for the concentration:

- Communications
- Economics
- Fine Arts
- History
- Literature
- Philosophy
- Political Science
- Psychology
- Sociology/Anthropology

Interdisciplinary Concentrations
A number of interdisciplinary concentrations are clustered around the goals of the Institute and the college. These concentrations involve in-depth study of a topic or area believed to represent an important realm of interdisciplinary learning for educated persons. Each of these interdisciplinary concentrations consists of four to six courses, from which the student chooses three. The specific courses comprising each concentration have been formulated by faculty members collaborating with one another so that the courses of the concentration are closely related. The interdisciplinary concentrations now available to students are:

- Environmental Studies
- Perspectives on Religion
- Women's Studies
- Global Studies
- Study Abroad
- Foreign Language/Culture Studies.

In the future, additional interdisciplinary concentrations will be available.

Electives
The opportunity to choose three elective courses gives students an element of choice in planning their Liberal Arts program. Electives may be chosen from among core courses not previously taken or from concentration courses for which the student has the proper prerequisites, as well as from those courses designated "elective."

Liberal Arts Senior Seminar and Project
The Senior Seminar and Project are designed to:

- give senior students the opportunity to prepare theses or projects that call for analysis and synthesis, and for the application of their Liberal Arts experiences to major issues that may affect their professional careers
- provide seminars for all senior students on general themes related to their required theses or projects
- provide an advanced experience of problem solving and value clarification.

The Senior Seminar will be designed and implemented on an annual basis by a Seminar Committee of faculty members selected a year in advance.

Bachelor's Degree Programs in the College of Liberal Arts

Bachelor of science degrees in Criminal Justice, Economics, Professional and Technical Communication, and Social Work are available through cross registration in the College of Liberal Arts. Cross-registered students receive educational support from the Social Work/Criminal Justice Support staff, as well as from the Liberal Arts Support staff.

Criminal Justice

The B.S. in Criminal Justice prepares graduates for entrance into the many careers within the criminal justice system and the public and private security sectors. The program also provides continuing education for those already pursuing professional criminal justice or security careers.

Courses needed for the bachelor's degree in Criminal Justice can be found in the RIT Undergraduate Programs catalog.

On-the-job Responsibilities
Responsibilities vary depending on career choice and include administration, counseling, training, planning, evaluating, research, loss prevention, and security management.

Places of Employment
Law enforcement, corrections, youth, and adult services; research and planning agencies; courts; and industrial and retail security operations

Economics

The B.S. in Economics degree program prepares graduates who have the ability to apply economic analysis to real world problems. In addition, the program requires students to develop specific skills that qualify them for employment opportunities in business, finance, and government. The program also prepares students for graduate work in economics, business administration, and law.

Courses needed for the bachelor's degree in Economics can be found in the RIT Undergraduate Programs catalog.

On-the Job Responsibilities
Analyze and interpret results in small and medium size corporations; do market research, application of statistical models, and forecasting in both private and public sectors of the economy; and analyze economic fluctuations in financial institutions, especially banks.

Places of Employment
Banks, corporations, market research firms, and stock-brokerage companies in government and the private sector, mainly as data analysts and statisticians

Professional and Technical Communication

The B.S. in Professional and Technical Communication combines education in the theory and practice of spoken, written, and visual communication with extensive instruction in one of RIT's existing professional or technical programs. Graduates will be qualified to serve as communication specialists within a specific technical area. Vocational opportunities are numerous and varied. The degree also prepares students for graduate work in communication and related fields.

Courses needed for the bachelor's degree in Professional and Technical Communication can be found in the RIT Undergraduate Programs catalog.

On-the-job Responsibilities
Writing technical reports and manuals; developing promotions and marketing; editing in-house journals and newsletters; organizing training programs in presentation, listening, discussion, and leadership skills; creating graphic layout and design; public speaking and interviewing; fund raising; analyzing organizational communication problems; and speech writing.

Places of Employment
Corporate communication offices; advertising and marketing, research and development, and government agencies; and mass media organizations.

Social Work

The B.S. in Social Work is the world's only permanently integrated social work education program for deaf and hearing people. The student mix usually runs close to 50 percent deaf and 50 percent hearing, making it a unique experience for each group and a valuable learning laboratory.

RIT's Social Work Program is fully accredited by the Council on Social Work Education. The four-year program requires excellent reading, language, and mathematic skills. In addition, students should have strong personal and social skills, a commitment to working with people, and well thought-out reasons for this career choice. Graduates can begin social work careers immediately after graduation, or continue their studies at other schools with master's degree programs in social work or other majors.

A new social work learning laboratory uses modern communication-assisting devices, state-of-the-art computer systems, and two-way viewing facilities for observing work with clients.

Courses needed for the baccalaureate degree in Social Work can be found in the RIT Undergraduate Programs catalog.

On-the-job Responsibilities
Assist individuals, families, groups, and communities in solving their social problems in a variety of ways; help clients develop independent living skills; help people under stress develop coping skills; work with abusers of alcohol, drugs, and other chemicals; intervene with youth in trouble with the law; and provide vocational rehabilitation services.

Places of Employment
Community service agencies, rehabilitation centers, schools, mental health facilities, chemical dependency programs, public social welfare agencies, and advocacy organizations

Master's Degree Program in the College of Liberal Arts

School Psychology

School psychologists are instrumental in providing services for all students and helping those with emotional, physical, educational, or learning handicaps. It is through the efforts of school psychologists that students are screened, evaluated, and treated in an attempt to provide them with the most favorable and appropriate educational conditions. School psychologists work cooperatively with treatment teams made up of specialists and educators. Graduates of RIT's School Psychology master's degree program are eligible for provisional certification in school psychology, which enables them to apply later for permanent certification.

Physical Education

Learning experiences provided through the Physical Education curriculum are an integral part of the total educational experience and student life activities at RIT. The program consists of an array of courses developed to meet the growing needs of students. The focus of the curriculum is to help students develop and maintain fitness, to acquire physical skills in a variety of lifetime activities, and to provide principles and elements for utilizing free time in an enjoyable and constructive manner.

Required courses at RIT are built on the premise that good health and fitness are basic elements in the "pursuit of excellence" in many aspects of RIT campus life.

The curriculum is offered during all academic quarters, including the summer. Registration for classes is conducted at designated times following academic registration.

Requirements for Degrees
Certificate candidates are required to complete one quarter of physical education; *diploma* candidates must complete two quarters of physical education; and *associate degree* candidates enrolled through the day colleges must successfully complete three quarters, or the equivalent of one year, of physical education. This requirement normally is met during the first year of matriculation, but may be done at any time. All *baccalaureate* candidates enrolled through the day colleges must successfully complete six quarters, or the equivalent of two years, of physical education. This requirement normally is met during the first and second years of matriculation, but may be done anytime.

Transfer Students
All students who transfer to RIT from any other college or university also must comply with the physical education requirements for the associate or baccalaureate degree, either at RIT or as transferrable credit.

Available Courses
Aerobic Dancing
Air Force Physical Training (ROTC)
Aquathenics (Water Aerobics)
Archery
Army Leadership Lab (ROTC)
Badminton
Ballet
Ballroom Dance
Basketball
Basketball Officiating
Billiards
Bowling
Canoeing
Conditioning
CPR - Multi-Media First Aid
Cross-Country Skiing
Dance Company
Dance Improvisation
Diving
Fencing
Fishing
Frisbee
Golf
Health/Mind-Body Connection (Wellness)
Horseback Riding (English)
Horseback Riding (Western)
Hunting
Hunting (Nature Study)
Ice Fishing
Ice Hockey
Ice Skating
Jazz
Jogging
Judo
Juggling
Karate
Kung Fu
Lacrosse
Life Fitness
Life Saving
Modern Dance
Movement Composition
Officiating
Outdoor Experiential Education
Racquetball
"Red Barn" Ropes
Rock Climbing
Sailing
Scuba Diving
Self Defense for Men/Women
Self Defense for Women
Skeet and Trap (Beginning)
Skeet and Trap (Advanced)
Skiing (Downhill)
Soccer
Softball
Swimming
Swimming for Fitness
TaiChi
Tennis
Volleyball
Wallyball
Water Polo
Water Safety Instruction
Weight Training
Yoga

Classroom Assistance

As resources permit, NTID provides support services (interpreting, tutoring, notetaking, counseling, and advising) to NTID students cross registered in RIT's other eight colleges. These support services provide the opportunity for deaf learners to function successfully in a mainstreamed environment.

Classes
A typical class is made up of an instructor, an interpreter, a notetaker, and hearing and deaf students.

Interpreters
RIT has approximately 65 professional interpreters. Each is required to obtain certification from the Registry of Interpreters for the Deaf within two years of hiring. Many interpreters also have degrees in fields related either to deafness or to the content area in which they regularly work.

Interpreters use many communication methods, including sign language interpreting, oral interpreting, and tactile interpreting. This service enables deaf students to participate in class lectures and discussions. In addition to working in the classroom, interpreters also work in labs and at counseling sessions, guest lectures, movies, religious services, athletic events, student government events, theater productions, and on field trips.

Interpreting services may be requested for campus events involving hearing and deaf participants. Although interpreters may be requested by students or faculty and staff members for any RIT event, be it academic, social, or personal, priority coverage is given to academic classes.

Tutor/Notetakers
Notetakers are available upon request. They usually are trained hearing students who have taken the course and are familiar with the material. Some notetakers know sign language. Notetakers enable students to watch the interpreter or teacher while the notetaker records information.

Tutoring is provided by faculty members who are experts in a subject, or by qualified deaf and hearing students. Notetakers with good grade point averages may be selected by support faculty members to tutor deaf students. Tutors are available after class to help with studying and study skills, and they work closely with teachers and deaf students.

Students may want a tutor to explain class notes or give advice on a special report or project, or they may want someone to meet with them regularly to discuss a difficult course.

Support Services
Each RIT college is affiliated with an NTID Department of Support Services. These resource personnel provide educational support services to cross-registered deaf students. These services may include:

- Offering workshops, seminars, and courses on study skills, cooperative work experience and employment preparation, communication, and college issues
- Providing personal counseling to deaf students
- Maintaining liaison with faculty members of other RIT colleges
- Preparing NTID students for cross registration into programs at other RIT colleges
- Providing interpreting, notetaking, tutoring, and other needed support services
- Teaching courses using total communication and other instructional techniques that maximize students' learning
- Working with employment specialists and employers to provide career advisement to students seeking employment
- Helping deaf students assess their communication needs in the classroom, e.g., using an FM auditory unit, using speech skills for critiques or class participation, or using interpreters to voice ideas.

The chart on the following page shows how students may begin in an NTID program and later cross register or matriculate in another college of RIT with support.

RELATED TECHNICAL AND PROFESSIONAL EDUCATION PROGRAMS AT THE OTHER COLLEGES OF RIT (Leading to associate, bachelor's, or master's degrees through cross registration into other RIT colleges; NTID provides interpreters, tutors, and notetaken for any student who requests them.)

NTID Programs	Other RIT Colleges	Other RIT Programs	
• **Business** • Applied Accounting • Business Occupations • Business Technology • Data Processing • Office Technologies	**College of Applied Science and Technology**	• Computer Engineering Technology • Computer Science	
	College of Business	• Business Administration - Accounting • Business Administration - Finance • Business Administration - Information Systems • Business Administration — International Business • Business Administration - Management • Business Administration - Manufacturing and Materials Management	• Business Administration - Marketing • Business Administration - Personnel and Human Resource Management • Business Administration - Photographic Marketing Management • Business Administration — Retail Management
Applied Science/Allied Health • Histologic Assistant • Medical Laboratory Technology • Medical Record Technology • Ophthalmic Optical Finishing Technology • Optical Finishing Technology	**College of Graphic Arts and Photography**	• Biomedical Photographic Communication	
	College of Science	• Applied Mathematics • Applied Statistics • Biology • Biomedical Computing • Biotechnology • Chemistry • Chnical Chemistry	• Computational Mathematics • Diagnostic Medical Sonography • Materials Science and Engineering • Medical Technology • Nuclear Medicine Technology • Physics • Polymer Chemistry
Engineering Technologies **Construction Technologies** • Architectural Drafting • Architectural Technology • Civil Technology	**College of Applied Science and Technology**	• Civil Engineering Technology (Environmental Controls or Construction) • Computer Engineering Technology • Electrical Engineering Technology	• Energy Engineering Technology • Manufacturing Engineering Technology • Mechanical Engineering Technology • Packaging Science
Electromechanical Technology • Electromechanical Technology **Industrial Technologies** • Industrial Drafting • Industrial Drafting Technology • Manufacturing Processes	**College of Engineering**	• Computer Engineering • Electrical Engineering • Electrical Engineering - A.A.S. Transfer Program • Industrial Engineering • Mechanical Engineering • Microelectronic Engineering	
Visual Communications • Applied Art	**College of Fine and Applied Arts**	• Art Education • Ceramics/Ceramic Sculpture • Computer Graphics Design • Double Craft Major • Fine Arts (Painting, Printmaking, Medical Illustration) •Glass	• Graphic Design • Industrial and Interior Design • Metalcrafts and Jewelry • Packaging Science - Design • Weaving and Textile Design • Woodworking and Furniture Design
• Photo/Media Technologies • Printing Production Technology	**College of Applied Science and Technology**	• Audiovisual Communications	
	College of Graphic Arts and Photography	• Biomedical Photographic Communications • Film and Video • Imaging Arts • Imaging and Photographic Technology • Imaging Science • Newspaper Production Management • Photographic Processing and Finishing Management	• Printing • Printing and Applied Computer Science • Printing Education • Printing Systems Engineering • Printing Technology • Professional Photographic Illustration
General Education (Programs available through cross registration into the College of Liberal Arts)	**College of Liberal Arts**	• Criminal Justice • Economics	• Professional and Technical Communication • School Psychology •Social Work
Educational Support Services Training • Educational Interpreting			

Counseling Services

Counseling means trying to help students solve problems. NTID at RIT offers students a variety of counseling services.

Career Development Counseling
Career development counselors help students with problems such as how to get along better with people, how to adjust to college life, how to gain more self-confidence, and what program of study to choose.

NTID counselors have training in counseling theory and techniques, career development, communication, and deafness.

Each NTID-sponsored student has a personal/career counselor. Counselors and program faculty members help students plan their educational programs and are available to talk with students about personal and social problems. They work with students in many ways, including:

- *Individual counseling sessions* Students make appointments to talk with counselors about academic or personal problems.
- *Career planning seminars* Groups of students (especially new students) meet with counselors to make decisions about programs of study and possible careers. Adjustment to college life, values clarification, and understanding of abilities and interests are examples of topics discussed in these seminars.
- *Special groups* Students can talk together about things that bother them, with counselors leading the discussion. Topics may include communicating, getting along with people, choosing a program of study, coping with stress, or improving interpersonal relationships.
- *Assessment* Various interest, aptitude, and achievement tests are administered to and interpreted for students.
- *Consultation* Counselors help faculty to understand the academic and personal/social development needs of students.

Psychological Services
NTID Psychological Services provide confidential personal counseling and other mental health services to all deaf students. Mental health counselors and a psychologist are available to any student who requests assistance. Examples of some concerns that students may need help in resolving are adjustment to deafness, depression, stress, family conflicts, male/female relationships, sexual identity concerns, and roommate conflicts.

In addition, students are offered a number of workshops, discussion groups, and group counseling experiences on such topics as stress management, assertiveness training, dating/relationships, and other topics to assist students' personal/social growth and development.

Psychological testing and assessment and consultation with faculty and staff also are available to assist students whose personal/social problems affect their academic performance. In this way, students are assisted in planning remedial programs that emphasize their academic as well as personal needs.

A 24-hour emergency crisis intervention service for students who are experiencing mental or emotional trauma is provided in conjunction with Campus Safety and NTID Interpreting Services.

Staff members work closely with RIT Student Health Services, the RIT Counseling Center, and the RIT Office of Residence Life to provide mental health services to all deaf students through education, training, and referral. Referrals and training also are provided to community mental health agencies serving deaf clients.

Learning Centers

Learning centers provide specialized academic support for students.

Communication Learning Centers
Students can improve their communication skills by practicing in these Communication Program Learning Centers:

- The Self-Instruction Lab provides students with an opportunity to practice skills they have learned in listening, speaking, and sign/simultaneous communication.
- The Telecommunication Lab has telephone equipment that students can use in practicing their telephone skills.
- The English Learning Center has reading and writing labs that allow students to practice their reading and writing skills independently.
- The Computer-Assisted Language Learning Lab, which is part of the English Learning Center, can help students improve their reading and writing skills by using word processing equipment.

General Education Learning Center
The General Education Learning Center (GELC) supports students in their General Education and Liberal Arts core courses. Skilled peer tutors, working closely with faculty members, provide feedback to students on their reading and writing assignments in language and literature, social science, and humanities courses. Reference books and computers also are available to help with assignments.

The GELC sponsors various evening enrichment programs in two areas: Language Arts and Social and Political Awareness. It also provides a comfortable area within the residence halls for studying, reading current magazines and newspapers, and watching and discussing the nightly news.

Mathematics Learning Center
The Mathematics Learning Center (MLC) helps students complete required courses for specific careers.

The MLC allows students to schedule their time flexibly. Teachers are available in the MLC to help students who are having problems with their mathematics coursework. In addition, several small group classes in various courses are offered each quarter for students who need or want the structure of a classroom experience.

The materials used in the MLC are called modules. A module is like a chapter from a textbook and is written in language students can more easily understand.

Students are allowed one quarter (10 weeks) to complete a course. If they complete the course sooner, they can go on to the next course.

There are two types of courses: preparatory and regular. Preparatory courses get students ready to enter a career program or higher level course. Regular courses are required for each specific program of study.

Physics Learning Center
The Physics Learning Center (PLC) offers a variety of physics courses in a classroom setting. A laboratory experience is part of each course. Classroom and laboratory experiences are supplemented by tutoring in the PLC. Students enrolled in Engineering, Applied Science, and other NTID technical programs use the PLC. The PLC also helps NTID students who are cross registered in one of RIT's other colleges. These courses assist students who will enroll in upper division courses offered by the Colleges of Science and Engineering. Courses are offered as needed, depending on student enrollment.

Courses Offered Through the Mathematics and Physics Learning Centers

Preparatory Mathematics
These courses prepare students to enroll in certain Business, Applied Science/Allied Health, and Engineering Technologies programs.

NTMM 120	Basic Mathematics
NTMM 122, 123	Algebra IA, IB
NTMM 124	Geometry
NTMM 126, 127	Algebra IIA, IIB
NTMM 128	Trigonometry

Technical Mathematics
These courses are offered to students enrolled in selected programs of study.

NTMM 104	Business Mathematics
NTMM 105	Office Procedures Mathematics
NTMM 140	Fundamentals of College Mathematics I
NTMM 141	Fundamentals of College Mathematics II
NTMM 142	Fundamentals of College Mathematics III
NTMM 163	Mathematics for Data Processing
NTMM 170	Medical Laboratory Mathematics
NTMM 201, 202, 203	College Algebra, Trigonometry, and Analytic Geometry

Physics
These courses provide specialized skills for students preparing for programs at NTID and the other colleges of RIT.

NTSP 100	Technical Physics I
NTSP 125	Construction Technology Physics II
NTSP 126	Construction Technology Physics III
NTSP 135	Technical Physics II
NTSP 136	Technical Physics III
NTSP 137	Technical Physics IV
NTSP 168	Optical Finishing Physics

Instructional Design and Technical Services

The Division of Instructional Design and Technical Services applies principles of learning theory and instruction systems development to create educational course materials for hearing-impaired people both at NTID and throughout the United States.

Instructional Design and Evaluation
The Department of Instructional Design and Evaluation provides leadership in the development of curriculum materials used in classrooms at NTID and disseminated throughout the United States. Services include the location, evaluation, and adaptation of commercially available instructional products; instructional design, production, and evaluation of original classroom materials; and the development of various media products for meeting the mission of the Institute.

Instructional Television and Media Services
The Instructional Television and Media Services Department provides support for the instruction of deaf students through the design and development of instructional and informational TV programs. The department operates a broadcast-quality TV production facility. It also captions film, TV, and slide programs and develops and manages media-related projects.

Additional services include TV and audiovisual equipment loan, TDD maintenance and loan, TV laboratory studio, and a closed-circuit TV system programmed especially for deaf audiences. Programming includes live captioned newscasts, entertainment, and informational programming.

Training and Development
The Training and Development Department provides print and non-print materials to support the faculty and staff members and students of NTID. Its collection of captioned and interpreted films, slides, and videotapes exceeds 2,000 items, which are circulated through the NTID Staff Resource Center.

The Department offers training programs to help new staff members acquire the unique skills necessary to work at NTID. It also provides veteran staff members with professional growth opportunities.

An internship program provides advanced in-service training to professionals and graduate students interested in working with the hearing-impaired population.

Research

NTID conducts research to help improve the education and communication skills of deaf RIT students and to understand their effects as well as those of other influences on the lives and work of deaf people.

Research in education focuses on special ways to help deaf students learn effectively, usually through more effective teaching, instructional technology, and support services such as interpreting and notetaking.

In communication, researchers are learning more about the hearing, speech, and language of deaf students and developing ways to assist students in acquiring better expressive and receptive communication through oral, written, and manual language.

Researchers sometimes contact graduates to see how well their education has prepared them for work and other aspects of their lives.

For student involvement in research, see page 80.

Professional and Staff Development

NTID provides professional development opportunities to faculty members through the Office of Faculty Development (OFD), a consortium of professionals who serve as a clearinghouse of information and resources related to teaching, learning, deafness, and other areas.

OFD coordinates the grassroots "school-based" faculty development efforts of the six liaisons and their respective faculty development committees in the three schools and three divisions of NTID's Career Development Programs. Each liaison and committee plans and provides numerous professional development opportunities in an effort to meet the expressed needs and interests of faculty and professional staff members. When faculty interests cross school and division boundaries, OFD liaisons share responsibilities for planning and resources.

In addition to facilitating "school-based" faculty development efforts, OFD offers personalized programming. The *Faculty Consultation Program* allows faculty members to meet confidentially with trained faculty consultants to develop new knowledge and skills related to teaching postsecondary deaf students. The *Deafness Upclose Network* provides opportunities for faculty members to meet with hearing-impaired colleagues to share personal perspectives on being deaf, teaching deaf students, and deaf culture and the deaf community. The *Computer Expertise Network* allows faculty members to meet hardware, software, or instructional needs through interaction with colleagues. In addition, OFD designs special programming to meet the needs of specialized audiences, and serves as a resource to professionals and interested parties nationally and internationally with respect to the impact of deafness on teaching and learning at the postsecondary level.

Joint Educational Specialist Program

The University of Rochester and RIT have developed a graduate program designed to improve the quality of education and services for deaf people.

Graduates of the program receive master's degrees and are qualified to work as educational specialists with deaf people at the secondary school and postsecondary level to:

- teach deaf and hearing secondary students in areas such as English, mathematics, science, and social studies
- facilitate the provision of special support services for deaf persons, such as tutoring, notetaking, interpreting, speech training, and educational audiology
- serve as resources on deafness to schools involved in mainstreaming deaf students into regular school systems.

Graduates work in secondary and postsecondary schools serving deaf students or function as instructional leaders working with colleagues to enrich and upgrade the quality of education for deaf people nationwide.

For further information, contact:

University of Rochester/River Campus
Director, Joint Educational Specialist Program
507 Lattimore Hall - GSEHD
Rochester, New York 14627
(716) 275-4009 (Voice/TDD)

Career Outreach Programs

Explore Your Future

Explore Your Future is a week-long program offered each summer at NTID at RIT. Designed for high school students about to enter their senior year, the program allows them to experience the challenges and requirements of a technical college career. For further information, contact NTID's Career Outreach and Admissions Department (716) 475-6236 (Voice/TDD), or (716) 475-6705 (Voice/TDD).

LIFE OUTSIDE THE CLASSROOM

Life outside the classroom includes a variety of activities that appeal to both deaf and hearing students. Dances, parties, films, concerts, plays, exhibits, athletic events, and other social functions are scheduled during the academic year. These events are sponsored by the College Activities Board, Residence Hall Association, Greek Council, Student Directorate, Off-Campus Student Association, NTID Student Congress, special interest clubs of many kinds, and department and professional associations. Two national sororities, two local sororities, nine national fraternities, and two local fraternities offer a diversity of programs that promote social interaction, philanthropy, scholastic standards, and leadership opportunities among members.

Major social events on the activities calendar include Parents Weekend; Homecoming; and Fall, Winter, and Spring Weekends. Activities are publicized through a monthly activities calendar, CALENDARIT, that is available campuswide.

The College-Alumni Union

The College-Alumni Union is a facility for the entire campus community — students, faculty, administrative groups, alumni, and guests. The building is the site of many services events, activities, and meetings that encourage people to meet and share common interests.

The Student Activities/Union Services staff members can assist and advise individuals and groups in planning, contracting, coordinating, publicizing, and providing technical support for their activities.

The facility houses the 500-seat Ingle Auditorium; an information desk and reservations area; a complete gameroom for bowling, billiards, table tennis, and video games; a unisex hairstyling salon and tanning booth; a candy and tobacco counter; three separate dining areas comprised of the main cafeteria, Ritskeller, and Clark Dining Room; and meeting rooms and lounges. Other offices include Student Activities/Union Services; Student Affairs; Meeting, Planning, and Catering; Orientation; Office of Minority Affairs; RIT Credit Union; Complementary Education; Veteran's Affairs Office; College Activities Board; WITR radio station; RITV (student television systems); the RIT yearbook, *Techmila;* the student magazine, *Reporter;* Amateur Radio Club; Black Awareness Coordinating Committee (BACC); Vets Club; and the Graduate Computer Science Program.

A dedicated student lounge, the RITreat, houses the offices of Special Services, Student Activities, Student Directorate, Off-Campus Student Association, and a number of clubs and organizations. The lounge offers copy services, a typing/word processing room, a postage machine, conference space, a monitor for approaching shuttle buses, a TV viewing room with closed captioning, individual desks, table for class project discussions, and an information sharing area.

NTID Student Congress

The NTID Student Congress (NSC) is a student government for deaf students interested in leadership activities. Its purposes are:

- to help interested students communicate their needs, ideas, and concerns about campus life to faculty, administrators, and other student organizations within RIT
- to provide interested students with opportunities for developing leadership skills
- to encourage student activities on campus
- to encourage integration by providing deaf students with opportunities to interact with hearing students socially, academically, athletically, and culturally.

NSC is divided into six areas:

Academic Affairs focuses on coursework and teaching methods. It investigates student concerns about the quality of coursework and advises academic departments on improving and developing new curricula.

Athletic Affairs develops athletic activities and encourages deaf students to form teams that participate in intramurals and tournaments. A highlight of the athletic calendar is the annual "RIT-Gallaudet" sports weekend.

Cultural Affairs plans cultural events and contests involving art, photography, and music. It also coordinates an annual "Miss NTID Pageant" and weekly captioned films.

Legal and Organizational Affairs refers deaf students with legal needs to an appropriate person and works with the constitutional issues of NSC-sponsored organizations and clubs.

Public Relations Affairs prepares advertisements and posters for NSC-sponsored events.

Social Affairs plans social activities, such as picnics, dances, and parties. Each year, a committee plans an annual "NSC Banquet" to honor outstanding NTID students and staff members.

The Student Directorate

The Student Directorate is the governing body for RIT students. It communicates the needs and desires of the student body to RIT administrators and faculty and staff members, and communicates the decisions of the administration to the students. It organizes the student body to formulate and express student opinion on campus issues affecting students, and helps to appoint students to the Student Hearing Board, which provides for the self-discipline of the student body.

All full-time undergraduate students become members of the RIT Student Directorate through payment of the Student Activities Fee. Part-time, non-matriculated, or graduate students who wish to participate in student-sponsored activities also may become members of the Student Directorate by paying the Student Activities Fee.

The Black Awareness Coordinating Committee

The Black Awareness Coordinating Committee (BACC) is a student organization for minority students. Its constituency consists mainly of black and Hispanic undergraduates, but graduate students have been actively involved. The BACC was organized to foster an awareness of the role of black men and women in society and to create a greater understanding among black students of RIT. The BACC is involved with many facets of student life and community activities — social, cultural, and political — all in an attempt to enlighten and make students' years at RIT years of growth.

Through the leadership of its executive board, BACC sponsors programs and extracurricular activities relevant to the "Black and Hispanic Experience."

Intercollegiate Athletics

Intercollegiate athletics are an integral part of the total educational environment at RIT. Participation on a team or as a spectator greatly enhances student life and campus spirit.

RIT offers intercollegiate competition during the fall, winter, and spring quarters. In the fall, the Institute competes in men's cross country and soccer, and women's soccer, volleyball, tennis, and cross country. Winter activities include ice hockey, basketball, swimming, and wrestling for men; and swimming, basketball, and ice hockey for women. In the spring, men's teams compete in track, baseball, lacrosse, and tennis. Women's sports feature Softball and track.

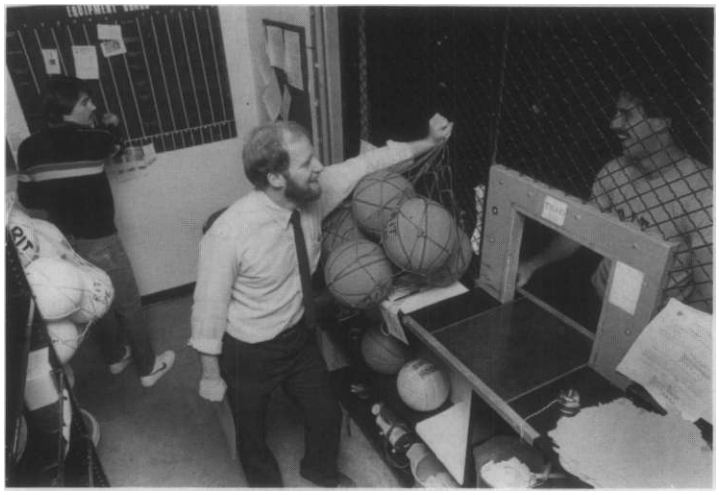
RIT's teams, known as the Tigers, are members of the National Collegiate Athletic Association (NCAA), Eastern College Athletic Conference (ECAC), Independent College Athletic Conference (ICAC), New York State Association of Intercollegiate Athletics for Women, United States Intercollegiate Lacrosse Association (USILA), and New York State College Hockey Association (NYSCHA). The ICAC, RIT's prime conference of competition, also includes Alfred University, Clarkson College, Hobart and William Smith Colleges, Ithaca College, Rensselaer Polytechnic Institute, and St. Lawrence University. The Tigers joined the conference in 1971. All teams compete in Division III of the NCAA, ECAC, and NYSAIAW.

Eligibility for intercollegiate competition is governed by NCAA, ECAC, ICAC, and AIAW rules. A student must be full time (minimum 12 quarter hours of credit), day school enrolled, and making satisfactory progress toward a degree.

Throughout the years, Tiger teams have experienced continued success within the conference and nationally. RIT has won numerous conference titles and boasts more than 12 Ail-Americans.

Support Services for Deaf Students in Physical Education and Athletics

NTID's Physical Education and Athletics Support Team provides physical education and athletic support services for deaf students in RIT physical education classes, intramurals, and athletic activities. It also provides direct instruction in physical education courses and ongoing in-service instruction (both formal and informal) to RIT physical education teachers and athletic coaches regarding deafness and deaf/hearing interactions.



Intramurals and Recreation

The Intramural Program at RIT provides a range of individual and team activities designed to meet the structured and competitive needs of students who do not have the required skills or do not wish to participate in intercollegiate athletics. This program is a vital part of the recreational opportunities and services afforded to all students to help balance academic endeavors with relaxing and enjoyable leisure activities.

The Intramural Program is attractive and popular. Activities offered in the program include basketball, volleyball, softball, ice hockey, flag football, swimming, broom hockey, and inner tube water polo. Times and roster deadlines for these activities are posted and announced to the student body. NTID provides support services for hearing-impaired students participating in the Intramural Program.

All indoor and outdoor recreational facilities are available to students for informal, leisure time endeavors during scheduled periods throughout the academic year. Special schedules for hours during the quarter and each break period are available at the Recreation Equipment Cage, located in the lower level of the George H. Clark Memorial Gymnasium. To ensure the safe and effective use of facilities, students are required to present their I.D. cards. Indoor facilities include a 25-yard swimming pool; wrestling room; ice rink; two gymnasia; game room with bowling lanes and billiard tables; and a fitness center equipped with hydra-fitness, universal, and Olympic free weight equipment. Outdoor facilities include 12 tennis courts; an all-weather track; Softball fields; three court multipurpose structure; and numerous fields for baseball, football, soccer, and Softball.

Daily facility reservations are posted in the lobby outside the Physical Education Office and listed in the Recreation Hotline, (x6762). Locker facilities are available, and rentals may be obtained through the Recreation Office, located in the lower level of the George H. Clark Memorial Gymnasium.

For Intramural activities call x2476 (Voice) or x5177 (TDD).

Cultural Activities

The cultural activities offered at RIT can greatly enrich students' lives. Deaf and hearing students perform in the RIT Tiger Band and deaf musicians play in the NTID Combo. A Sign/Sing Choir also is popular among students and staff. Students perform or are part of the stage crew for several major theatrical productions, and the RIT Dance Company performs two or three times during the year. Performances by noted deaf poets, and open poetry readings by students are a regular feature of campus cultural life.

Cultural programs, exhibitions, and on-campus gallery shows are provided for student enjoyment.

The Mary E. Switzer Gallery at NTID attracts exhibitors from all over the United States. Gallery shows change monthly and include paintings, photography, and sculpture. Student artwork also is exhibited.

NTID Special Speaker Series

Each year, the NTID Special Speaker Series brings to the RIT campus famous people who have made a difference in the world. During the past 10 years, deaf and hearing students and faculty and staff

members have had the opportunity to meet with three Academy Award winners — Louise Fletcher, Jane Fonda and Marlee Matlin. Peter Jennings, senior editor and anchor for ABC-TV's World News, has made several visits to NTID. Other important individuals who have shared their experiences and views with students include Mikhail Baryshnikov, Max Cleland, Phyllis Frelich, and Ed Waterstreet.

The NTID Special Speaker Series is one of the most exciting and enriching programs on campus. This program provides students an opportunity to learn from notable individuals; to engage them in healthy dialogue; and to benefit from their experiences and viewpoints.

Student Life

A variety of exciting and challenging programs are available to help NTID students develop their personal and social skills. Students can become involved in experiences that enhance their awareness about themselves, others, and the world around them. Some examples include programs realted to getting along with others, human sexuality, drugs and alcohol, leadership development, consumer issues, cross-cultural dynamics, and wellness programs. Participation in these activities helps students to develop those personal and social skills that are critical to their future career advancement.

Outdoor Experiential Education Program

All students at RIT have many opportunities to develop personal and social skills through outdoor education programs. The Outdoor Experiential Education Program (OEE) offers a variety of activities to develop leadership skills, environmental awareness, and a sense of joy and challenge in living, working, and playing in a natural environment. A ropes course in the "Red Barn," cross-country skiing, flat and white water canoeing, hiking, camping, and rock climbing are some of the areas in which students and staff learn together. Physical education credit may be obtained for many courses offered.

Student Services

Food Service

Rochester Institute of Technology operates its own Food Service. Students living in the residence halls are required to be on one of four meal plan options:

- 20 Meal Plan: 20 meals per week, Monday through Sunday
- 15 Meal Plan: 15 meals per week, Monday through Friday
- Any 14 Plus Plan: Any 14 meals, Monday through Sunday, plus $30 per quarter deposited by Food Service into a debit account
- Any 10 Plus Plan: Any 10 meals, Monday through Friday, plus $20 per quarter deposited by Food Service into a debit account

Students who choose the traditional 20 and 15 meal plans may open an optional debit account.

Storage or cooking of food in the rooms is not permitted. However, several kitchenette areas are available in the residence halls for occasional cooking of snack foods.

Housing

Residence hall living is an important part of a student's total educational experience. NTID's living environment contributes positively to each student's personal, social, and academic growth.

All first-year NTID students who do not live with their families are required to live in the residence halls. After their first year, students may choose residence halls or RIT-owned apartments.

Although second-year students are guaranteed places in the residence halls, space limitations do not permit all students to live in the NTID residence hall complex. All third- and fourth-year students can request, but are not guaranteed, residence hall space.

The residence halls are divided into "houses." Each house has approximately 40-50 students and a residence advisor. Residence advisors are deaf and/or hearing students especially chosen for their maturity and responsibility. They are trained to help other students living in their houses.

Some residential areas are coeducational, some floors are single sex, and some have men and women living in separate houses on the same floor. There are mainstreamed floors throughout the residence hall system.

Students also may choose to participate in special interest houses located in the residence halls. Special interest housing options include the Art House, a mainstreamed special interest house; quiet-study floors, focusing on an academic environment; and "wellness" floors, emphasizing the whole person approach to learning about personal lifestyle development. Several other houses are provided for sororities, fraternities, and social clubs.

The Intercom facility, in Mark Ellingson Hall, provides students with TDD and interpreter-assisted telephone services. Intercom serves outgoing phone calls only. Several public pay phones with TDD link-ups also are available throughout the RIT campus. Messages from incoming phone calls are handled by the 24-Hour Desk in Mark Ellingson Hall. The 24-Hour Desk also operates a limited lending system for portable TDDs.

Nearly all rooms in the residence halls are doubles, with a few "built-triples" and a limited number of single rooms available to students who have completed at least one year at NTID. During the fall quarter, some entering students may be assigned three to a double room.

All rooms and corridors are carpeted. A bed, desk, chair, dresser, closet, and window covering are provided for each student. Reading lamps are not provided.

The facilities vary. Some floors have one men's and one women's bathroom; other floors are set up as suites, with three rooms sharing a bathroom. Each house has its own lounge, furnished for study and relaxation. Other floors have study lounges open to the residents of that floor.

Coin-operated laundry facilities are available in the basement. A linen service is available during the academic year.

Each accepted student will receive a packet of information about residence hall living, rules, and regulations. Residence Halls Guidelines and Expectations also are listed on the "Terms of Occupancy" contract. Rules and regulations conform to the laws of the local, state, and federal governments. They are aimed at providing a safe, comfortable environment for students pursuing educational goals at RIT. Students who break residence rules and regulations face judicial action and possible dismissal from the residence halls or from RIT.

Housing for married students and certain single students is available in RIT-owned apartments and townhouses. A brochure describing the four complexes — Colony Manor, Perkins Green, Racquet Club, and Riverknoll — is available from:

Rochester Institute of Technology
Department of Off-Campus and Apartment Life
Residence Life Office
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887

(716) 475-2572 (Voice)
475-2113 (TDD)

The Off-Campus and Apartment Life Center, located in Kate Gleason Hall, has listings of available apartments in the community, as well as of students seeking roommates.

Residence halls are closed during Christmas break and no students may remain in the halls at this time. Between spring and summer quarters, the halls are closed. However, students enrolled for consecutive quarters may stay.

The Art House
The Art House is a special, self-governing, living area in the residence halls that allows deaf and hearing students majoring in art to live in a supportive community.

Art House is on the second floor of Alexander Graham Bell Hall. It houses approximately 25 students representing almost all art programs at RIT. Deaf and hearing upperclass students as well as first-year students live in the house. Residents can use special facilities including a studio/study room and a television lounge.

Art House residents have visits and informal discussions with professional artists and designers, recent graduates, and other people related to the profession — experiences that provide insight into art careers and allow residents to share a common interest in art as well as to help educate the RIT community about the art professions. The integrated hearing and deaf environment provides all members with opportunities to understand each other's backgrounds while sharing the common goal of art as a professional career. Applications for the house are available to both new and returning students.

Hearing Aid Shop
Students who use hearing aids or are interested in trying them can get assistance from the staff of the Hearing Aid Shop. Staff members help with necessary hearing aid repairs, show students how to care for aids, make earmolds, and sell hearing aid parts and supplies. "Repair Loaner Aids" are available for students who are waiting for a hearing aid evaluation or who have hearing aids being repaired. Staff members in the Hearing Aid Shop can tell students about other communication aids and set up appointments for them to take these tests:
- audiological assessment
- hearing aid check
- hearing aid evaluation.

Student Health Service

The Student Health Service provides primary-level medical care on an outpatient basis. Staff members include physicians, medical nurse practitioners, registered nurses, and an interpreter for deaf individuals. Psychiatrists and gynecologists are available on campus by appointment. In addition, the Student Health Service provides health education programs.

The Student Health Service is located on the second floor of the George Eastman Building. Students are seen on a walk-in basis Monday-Friday from 8:30 a.m.-4 p.m. (Emergencies are seen until 4:30 p.m.) Appointments for follow-up treatment are arranged when necessary. A registered nurse is on duty in Nathaniel Rochester Hall (NRH) from 4:30-10:30 p.m. (Emergencies are seen until 11 p.m.) A medical provider is available in NRH from 10 a.m.-3:30 p.m. Saturdays and Sundays. (Emergencies are seen until 4 p.m.)

The RIT Ambulance provides emergency transportation and can be reached through Campus Safety at (716) 475-3333 (Voice) or 475-6654 (TDD).

A quarterly Student Health fee is mandatory for all full-time undergraduate students. All other students may pay either the quarterly fee or a fee-for-service. Some laboratory work ordered through the Student Health Service is not covered by this fee; there is a nominal charge for this service. Prescription medicines may be obtained from local pharmacies at the students' expense.

The Institute requires students to maintain health insurance coverage as long as they are enrolled as students. They may obtain coverage either through RIT or their own personal insurance agent.

Questions about the Student Health Service or health insurance should be directed to the Health Service office at (716) 475-2255.

Health Records
Medical records are confidential. Information will not be released without the written consent of the student. Exceptions to this rule are made only when required by the public health laws of New York State.

Health Insurance
Accident and sickness insurance is required for all students. The RIT Student Accident and Sickness Plan that is available through the Institute is paid in full by NTID for its students. There is a separate charge to other students for this policy. A brochure describing the coverage provided in this plan is mailed to each student before registration.

Day Care

The Horton Child Care Center is a preschool for children of RIT students and faculty and staff members. Located in Riverknoll, next to the academic buildings, Horton offers programs for children who will be 2, 3, 4, or 5 years old before December 1 of the year of entry. Most children attend full time, five days a week, but there are limited spaces available for children on other schedules. During the summer quarter, Horton runs a day-camp format. Tuition aid is available to families who demonstrate need.

Interested persons are encouraged to visit Horton Child Care Center before enrolling their children. Inquiries may be made by telephone to (716) 475-5948 (Voice) or by writing to Horton Child Care Center, 85 Kimball Drive, Rochester, N.Y. 14623.

Campus Safety

Professional security and safety staff are on duty 24 hours a day. These RIT employees constantly patrol all campus areas. RIT does not take responsibility for lost or stolen personal belongings of students and faculty and staff members. Students are encouraged to have their own insurance policies.

Campus Safety also provides informational programs on fire safety, rape and crime prevention, identification of valuables, and emergency notification for parents trying to reach students. An escort service is available upon request to any interested person (female or male) during the hours from dusk to dawn. For on-campus emergencies requiring immediate medical, fire fighting, or law enforcement attention, students should call the emergency number: (716) 475-3333 (Voice). For routine matters, call 475-2853 (Voice). The TDD number for both emergency and routine matters is 475-6654.

Identification Card
All students are required to have an official RIT Identification Card. Students must carry cards with them at all times, and present them upon request of an Institute official. Report lost cards at once to the I.D. Office, (716) 475-2125 (Voice) or 475-6667 (TDD). All I.D. cards must be validated quarterly. Replacement of lost cards is $5.

Vehicle Registration
All vehicles operated on campus by students and faculty and staff members must be registered with Campus Safety. Stickers can be obtained either at special tables set up on the academic side of campus during open registration, or anytime at the Campus Safety Office in Grace Watson Hall.

Vehicle registration stickers are color-coded according to residence status: Dorm/ Riverknoll; Perkins; Colony Manor; Racquet Club; and commuters. Specific parking rules are associated with each color sticker. These rules are listed in the rules and regulations brochure issued at registration.

Although student stickers are valid from July 1 through the following June 30, a change in residency or vehicle may require re-registration. Contact the Parking Office at (716) 475-2074 (Voice), 475-6654 (TDD), if there is a question.

Parking and Traffic
Speed on campus is monitored by electronic speed control devices; the speed limit on campus is 30 mph unless posted otherwise.

Certain parking spaces on campus are reserved by signs for special parking purposes, e.g., medical/handicapped, service, visitor. Parking in these specially marked spaces is by permit only. Short-term parking is available in several campus locations. Maximum time allowed in these spaces is 20 minutes, and flashers must be used during that time.

Enforcement
Citations are issued for infractions of the parking and traffic regulations. Fines depend on the violation. Towing of illegally parked vehicles from fire lanes and medical spaces is another means of enforcement. Chronic offenders also are subject to judicial action that may result in campus driving privileges being revoked. Additionally, grades or transcripts will be withheld if fines are not paid.

Campus Connections

Textbooks, school supplies, art and design supplies, and photographic supplies and equipment may be purchased at Campus Connections, RIT's bookstore. General reading material and monogrammed gift items also are available. Students may get an estimate of books and supplies in a specific area of study by contacting departmental offices. Most expenditures for textbooks and supplies are made at the beginning of each quarter, when store hours are extended for students' convenience.

Student Directory

The NTID Student/Faculty/Staff Directory is published yearly. It contains photographs and home addresses of all registered students, and photographs, offices, and phone numbers of all faculty and staff members.

Orientation and Special Programs

Each fall, new students participate in a week of orientation activities known as SOS (Student Orientation Services) Week. These activities are designed to help students make the academic, personal, and social transition to the RIT environment.

Approximately 120 upperclass student volunteers plan and present the orientation program. New students are required to attend sessions on academic information and advising, available student support services, and information about RIT rules and regulations. In addition to these sessions, social activities and programs are planned to allow students to meet new people and make friends.

During SOS Week, a special information area, known as Info Central, is set up at the College-Alumni Union. This area is equipped with a TDD, and upperclass students are available to answer any questions about orientation programs and the beginning of the school year.

The Deaf Awareness and Special Programs Committee is one of the 11 SOS committees. This group is involved directly in planning activities and developing strategies to involve NTID students in the orientation program and to provide educational programs about deafness for students at the other colleges of RIT.

SOS begins recruiting new members for the next year in October. Information about SOS membership may be obtained from:

Rochester Institute of Technology
Orientation and Special Programs
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887
(716) 475-2508 (Voice)

Department of Campus Ministries

Although RIT/NTID has no ties to any specific religion, the Institute does understand the importance of religion in the lives of students, faculty and staff members, and other members of the campus community. Campus Ministries, a department within the Division of Student Affairs, is designed to assist those on campus with religious, ethical, and personal interests.

Various faith communities have campus ministers who serve in areas of worship, social services, religious learning, counseling, and discussions.

Campus Ministries Offices are located in the RIT Interfaith Center connected to the College-Alumni Union. Faith communities represented include Assembly of God, Baptist, Catholic, Church of Jesus Christ of Latter Day Saints, Episcopal, Jewish, Lutheran, and Methodist.

All worship services and activities are interpreted for deaf persons.

For more information, phone (716) 475-2135 (Voice/TDD).

Placement

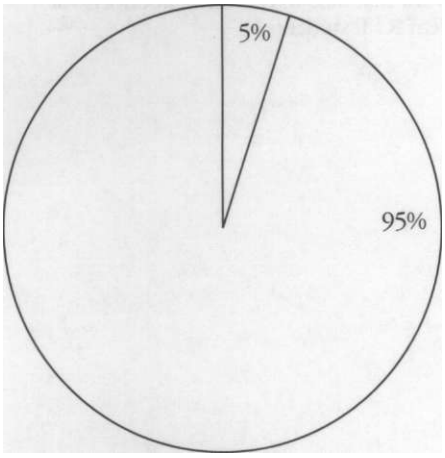
Employment of NTID graduates has always been a high priority, and to ensure that graduates obtain program-related employment, NTID established the National Center on Employment of the Deaf (NCED). At the beginning of each school year, NCED assigns each new student to an advisor experienced in employment assistance in the area of the student's academic concentration. In addition, NCED has developed a required credit-bearing course, "Job Search Process," to prepare students in the best methods to obtain co-op and permanent employment. The course teaches effective job search strategies, including resume development, employment letter-writing, utilization of Employment Information Center resources, interview preparation and practice, and job application preparation. NCED's employment advisors are in daily telephone contact with potential employers throughout the United States on behalf of NTID students seeking co-op or permanent employment.

These services, provided by NCED's employment advisors, result in NTID graduates' high employment rate, which is illustrated by the final report of a recent NTID graduation class.

Of NTID's 1985 and 1986 graduating classes, whose numbers total 199 students, 116 entered the labor force; 95 percent of these are successfully employed. Eighty-three graduates decided not to enter the labor force immediately; 93 percent of these are continuing their education at RIT or another educational institution. A small percentage (7 percent) decided to postpone seeking employment or continuing their education in order to pursue other interests.

Table I

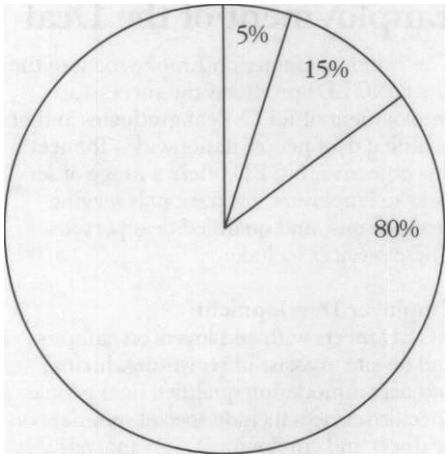
Status of Recent Deaf RIT Graduates in the Labor Force



5% Looking for Employment
95% Employed

Table II

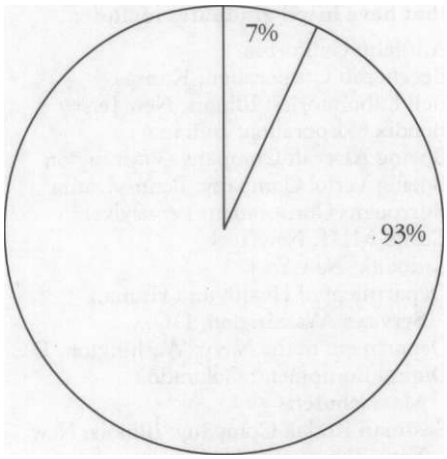
Recent Graduates by Area of Employment



5% Education
15% Government
80% Business/Industry*

Table III

Recent Graduates Not Entering the Labor Force



7% Not looking for Employment
93% Attending School
(69% RIT, 31% Others)

'Business/Industry includes hospitals and other health care facilities

Some of the jobs that deaf RIT graduates hold are:

Accounting Technician
Actor
Aerosystem Engineer
Assembler
Associate Engineer
Biomedical Photographer
Chemical Technician
Computer-Aided Drafter
Computer Operator
Computer Program Designer
Computer Programmer
Computer Specialist
Cost Analyst
Data Transcriber
Designer
Die Maker Apprentice
Drafter
Electronic Technician
Engineer
Layout Designer
Machine Operator
Media Specialist
Medical Laboratory Technician
Medical Record Technician
Numerical Control Machinist
Optical Finishing Technician
Optical Printer
Photo Processing Technician
Professional Artist
Programmer
Publications Specialist
Quality Control Technician
Spray Painter
Structural Designer
Teacher
Word Processing Supervisor

Companies and government agencies that have hired graduates include:

Amdahl: California
Beechcraft Corporation: Kansas
Bell Laboratories: Illinois, New Jersey
Bendix Corporation: Indiana
Boeing Aircraft Company: Washington
Boeing Vertol Company: Pennsylvania
Burroughs Corporation: Pennsylvania
Castle-MDT: New York
Citibank: New York
Department of Health and Human Services: Washington, D.C.
Department of the Navy: Washington, D.C.
Digital Equipment: Colorado, Massachusetts
Eastman Kodak Company: Illinois, New York, Texas
Emerson Electric: Missouri
Exxon Corporation: Texas
Fairchild & Co.: Maine
General Dynamics: California, Missouri
General Motors Corporation: Michigan, New York
General Electric Corporation: Illinois, New York
Graphic World: Missouri
GTE Corporation: Connecticut
Hewlett-Packard: California, Massachusetts, New Jersey
Houston Gas Company: Texas
Hughes Aircraft: California
IBM: Colorado, Florida, Maryland, New York, Texas, Vermont, Virginia
Indiana Bell: Indiana
Internal Revenue Service: Washington, D.C.
Lawrence Livermore Laboratories: California
Lockheed Corporation: California
McDonnell Douglas: California, Missouri
Mobil Corporation: New York
National Geological Survey: Virginia
Naval Shipyard: Pennsylvania
Naval Surface Weapons Center: Maryland
Northrop Corporation: California, Illinois
Ohio Bell: Ohio
Peace Corps: Ecuador, Philippines
Pearle Vision: Michigan, Ohio, Pennsylvania, Washington
Pitney Bowes: Connecticut
Prudential Insurance: Florida, New Jersey
RCA Service Center: Georgia
Rockwell International: Pennsylvania
Rohr Industries: California
Seattle Arts Commission: Washington
Stone & Webster: Massachusetts
Tenneco: Texas, Virginia
Texas Instruments: Texas
Travelers Insurance: Connecticut
UNISYS: Florida, Pennsylvania
Veteran's Administration Hospital: New York
Wilson Health Center: New York
Xerox Corporation: New York

National Center on Employment of the Deaf

The National Center on Employment of the Deaf (NCED) promotes the successful employment of RIT's deaf graduates and of qualified deaf people nationwide. To meet this objective, NCED offers a range of services to employers, professionals serving deaf persons, and qualified deaf persons. These services include:

Employer Development
NCED meets with employers on campus and on site to assist in recruiting, hiring, and accommodating qualified deaf people. Specific services include special seminars on deafness and employment, job analysis, and an active on-campus orientation and recruiting program. In addition, NCED has produced numerous reference materials designed for employers of deaf persons.

Training
In-depth training programs for employment representatives and direct supervisors of deaf people provide a detailed understanding of deafness and its implications in the work environment. In addition, training is provided for professionals serving deaf individuals regarding the development of productive relationships with employers on behalf of deaf clients or students.

Alumni Programs

RIT has more than 2,000 deaf alumni who live throughout the United States, with the majority concentrated in the northeastern section of the nation. All deaf graduates automatically are members of NTID's alumni organization and the RIT Alumni Association.

A number of services are available to deaf RIT graduates, including an international travel program; the *NTID Alumni News',* the *RIT Alumni News;* free use of the library and athletic facilities (with ID card); and many social events, including Homecoming Weekend.

To date, NTID graduates have established alumni chapters in the following areas: Greater Boston; Greater Houston; Greater Rochester, New York; Delaware Valley, Pennsylvania; Illinois; Missouri; Metropolitan New York; Metropolitan Washington, D.C.; and Southern California.

Chapter members are involved in social and cultural activities. They work together to establish a strong national alumni network that aids in recruitment efforts for deaf RIT students.

ACADEMIC POLICIES/RULES

Academic Rules

Class Attendance
Students are expected to meet the attendance requirements of their individual programs.

All students are expected to attend their scheduled classes regularly and on time. Absences do not excuse students of responsibility for meeting normal requirements in any course.

Courses and schedules may change to allow flexibility in meeting individuals' needs. Students may be required to attend evening, Saturday, or special classes. Faculty members may establish their own class requirements.

Rules and regulations about behavior in the residence halls and about use of general campus facilities are published in *Facts*, the RIT student handbook that is distributed at registration.

Grading System
Grades represent the student's progress in each course. Grades are given to students on a Grade Report Form at the end of each quarter. The letter grades are:

A = Excellent
B = Good
C = Satisfactory
D = Minimum Passing
E = Conditional Failure
F = Failure
I = Incomplete
W = Withdrawn
R = Registered
Z = Audit
S = Satisfactory
T = Transfer
X = Credit by Examination

Grade Point Average
Each course has a credit hour value. Credit hours are based on the number of hours per week in class, laboratory, or studio, and the amount of outside work expected of the student.

Certain letter grades produce the quality points per credit hours, as follows:

A= 4 quality points
B = 3 quality points
C - 2 quality points
D = 1 quality point

These quality points are used to decide a student's quarterly grade point average (GPA).

E and F count as 0 in figuring GPA; R, W, Z, S, T, X, and I grades are not used in figuring GPA.

The grade point average is the total of quality points earned divided by the total quarter credit hours a student attempts.

$$\text{GPA} = \frac{\text{total quality points earned}}{\text{total credit hours attempted}}$$

Students receive Institute (RIT), program (of study), and principal field of study grade point averages. The Institute average reflects all coursework completed at RIT. The program average reflects all completed coursework applicable to graduation in a student's academic program. The academic program refers to the course requirements specified by the degree-granting college and noted in the Institute catalog. The principal field of study average reflects coursework completed in a student's specialized field of study.

The grade point average is used in determining academic standing for the Dean's List, academic probation, and suspension.

Release of Academic Records
RIT does not send grade reports to parents, vocational rehabilitation counselors, or other third parties. Students are expected to share such reports as they see fit.

Principal Field of Study
For programs offered at NTID, the principal field of study is the required and elective technical courses applicable toward graduation in a specific academic program. General Education, Communication, and Liberal Arts courses are not included. The principal field of study for pre-technical and pre-college includes all technical coursework required for students to become eligible for acceptance into specific degree-granting programs.

Student Files
A personal file is kept for each student. The file contains confidential and non-confidential information about the student's program, academic history, and progress. Information in the student file is used by faculty and professional staff for admissions, job placement, and evaluation of student progress. The privacy of student records is guaranteed by the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment). This act makes sure that students can see certain information in their files, and that they give permission before information in the file is sent out.

Attrition
Attrition is that percentage of a class that withdraws from the college within five years from entering without receiving any degree. When compared with a national sample of two- and four-year public and private institutions with varying selectivity criteria, NTID's attrition rate of 45 percent emerges in a relatively average position.

Institute Writing Policy
RIT's writing policy ensures that all graduates develop sufficient skill in the use of the English language to function as educated members of society and to meet any special demands for written communication likely to be placed upon them in their intended careers.

Students must demonstrate that they have the writing skills needed for successful entry into their chosen careers. At least three academic quarters before the student's anticipated completion of baccalaureate degree requirements, department faculty members will determine whether the student is meeting departmental writing standards. A full description of these standards and certification procedures is available from each department. Students whose writing does not meet these standards must take the appropriate remedial measures recommended by the department. Students must meet the departmental writing standards before they can graduate.

The nature and standards of departmental writing requirements will be consistent with Institute policy and will be reviewed by the Institute Writing Committee.

Leave of Absence or Withdrawal
Sometimes a student must leave NTID before completing the requirements for a certificate, diploma, or associate degree. When a student leaves NTID permanently, this is called a "withdrawal." When a student leaves NTID for one, two, three, or four quarters, this is called a "leave of absence" (LOA).

NTID will allow a student to go on LOA when the student:

- has a temporary problem that will prevent progress in his/her major;
- shows the motivation, interest, and ability that is necessary to complete the program.

The student's major department will save a place for the student up to a maximum of four quarters. Such a student may return to the Institute without re-application.

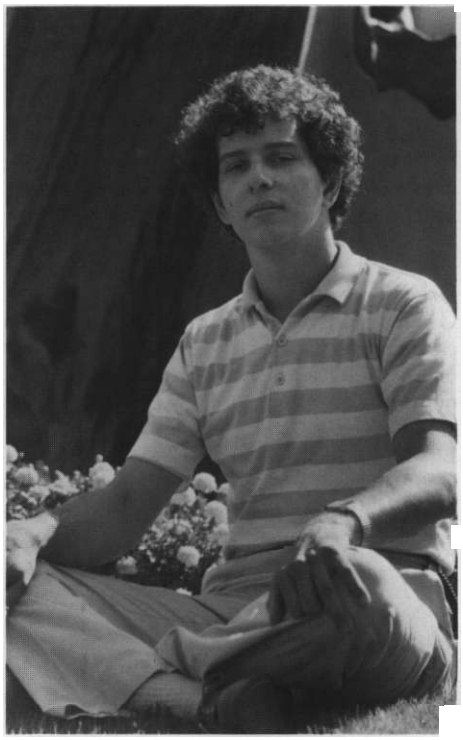
A student who leaves NTID for any reason and does not receive permission for "LOA" will receive the status "withdrawn." Such a student may or may not plan to return. A "withdrawn" student who wants to return to college must re-apply.

Academic Probation and Suspension Policy

All students are expected to maintain certain academic standards established by RIT. All students are subject to the following RIT probation and suspension policies.

Matriculated undergraduate full-time and part-time degree students will be placed on probation or suspended from the Institute according to the following criteria. All actions are taken at the end of the quarter; however, a student may petition the dean of the college for reconsideration of probation or suspension should the removal of an incomplete grade (I) raise the appropriate GPA above those stated below. Each matriculated student will generate three grade point averages. The Institute GPA reflects all coursework completed at RIT applicable to graduation in a student's current academic program. The current academic program GPA refers to the Institute and college degree course requirements specified by the degree-granting college and noted in the Institute catalog*. The third average, in the principal field of study, reflects coursework completed in a student's specialized field of study.

1. Any student whose program quarterly GPA falls below a 2.00** or whose cumulative GPA in the principal field of study (based on at least 20 credit hours attempted in the principal field at RIT) falls below 2.00 will be placed on probation.
2. Any student who has been placed on probation according to (1) above is removed from probation for achievement of both a 2.00 program quarterly GPA and a 2.00 cumulative GPA in the principal field of study, based on at least 20 credit hours attempted in the principal field at RIT.
3. Any student who is on probation according to (1) above and who is not removed from probation in the two succeeding periods of study in which credit is earned will be suspended from RIT for a period of not less than one quarter.
4. Any student who has been placed on probation after having been removed from probation and whose program GPA is below 2.00 will be suspended. Any student who has been placed on probation after having been removed from probation and whose cumulative GPA is 2.00 or above will be granted one quarter to be removed from probation or he/she will be suspended from RIT.
5. Any student whose program quarterly GPA falls below 1.00 will be suspended from RIT.
6. Any student who has been readmitted to his/her original program after having been suspended and then goes on probation will be suspended from RIT.
7. A suspended student may not enroll in any academic course at the Institute while on suspension. When there is evidence that the student's scholastic problems are the result of inappropriate program choice or other extenuating circumstances, the suspension may be waived or the student may be admitted to another program or allowed to take courses on a non-matriculated basis, if approved by the dean of the college in which the enrollment is requested. In evaluating the request for waiver of suspension, the dean may seek the recommendation of the Counseling Center or staff as to the appropriateness of the program for the career goals of the student under consideration.
8. A student may apply to the Admissions Office for re-admission at the end of his/her suspension. Re-admission must be approved by the dean of the college the student wishes to attend upon returning. (This may be the student's original college or another.)



**For programs offered at NTID, the program is defined to be all required and elective technical, communication, and general education courses applicable toward graduation in the student's current academic program. In pre-technical, pre-college, and career exploration programs, the program includes all coursework taken to complete the program.*

***C average*

Research Involvement

NTID at RIT is federally funded. Federal guidelines say NTID should study problems and find solutions that will help improve the education and careers of all deaf people. Therefore, a number of people at NTID conduct research.

RIT invites each NTID student to help in this research. Sometimes this means taking tests and being part of research studies. Students can help other deaf people by participating in research.

Helping NTID's researchers does not take much of a student's time and is not done for a grade. The college always respects a student's privacy. Aiding in research will not hurt a student's health or interfere with academic study.

Institutional and Civil Authority

Students must recognize that they are members of the local, state, and federal communities. They must live according to the law. They do not receive special privileges because they are students or temporary residents.

Student Conduct

Students always are expected to act in a way that reflects well on themselves and RIT. They are expected to be responsible for their actions and to have concern for the behavior of others. Any student who does not follow the expectations, rules, or policies of RIT may be warned, placed on probation, or, in serious cases, dismissed from RIT.

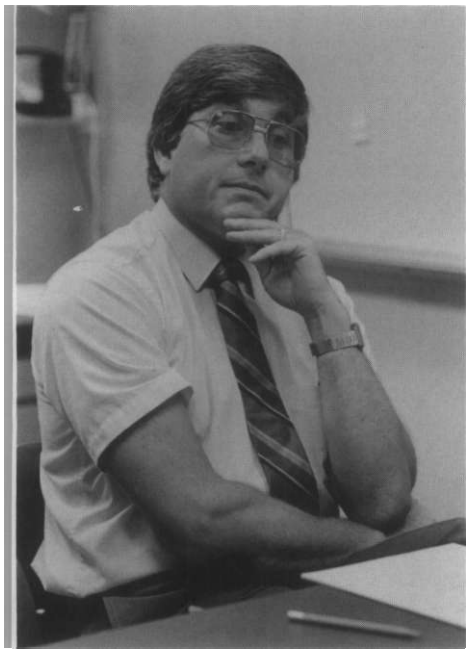
Institute Standards for Student Conduct

RIT's Educational Mission

It is the mission of RIT "to prepare men and women for living and working in a democratic and technological society" by offering curricula that "...meet the need for technological skills within the broader framework of humanistic values."

To achieve its mission, the Institute establishes guidelines that provide for the orderly conduct of its instructional and campus life activities. As an educational community, it strives for a campus environment that is free from coercive, exploitive behavior by its members. Moreover, it sets high standards that challenge students to develop values that will enhance their lives professionally and enable them to contribute constructively to society.

Historically, RIT has aspired to the goal of preparing students for the "making of a living and the living of a life, not as two distinct processes, but as one." This goal includes the emotional, physical, spiritual, and social development of students. The Institute prepares its students for leadership in their careers and in community life. Therefore, it sets high standards of personal development as well as academic excellence that go well beyond the standards of the larger society. Faculty and staff members are expected to set examples for students in the pursuit of their personal and academic development. Although RIT acknowledges and respects the diversity of values and lifestyles of its faculty and staff members and students, each member of the RIT community has the responsibility of observing the standards of campus life that are important to the pursuit of the Institute's mission.



Principles Underlying Institute Conduct Policies

1. Students are expected to assume responsibility for their conduct and to show concern for the behavior of others. Such responsibility includes efforts to encourage positive behavior and to prevent or correct detrimental conduct by others.
2. The Institute places high priority on self regulation by its members and intends that campus life will provide opportunities for students to exercise individual reponsibility.
3. The Institute acknowledges the diversity of backgrounds, lifestyles, and personal moral values of those who comprise the Institute community, and respects the rights of individuals to hold values that differ from those expressed by the Institute. Students are expected, nonetheless, to observe Institute policies and standards in their activities and duties.
4. The Institute has legitimate concern for personal behavior beyond the impact that behavior has on the rights and freedoms of others. When an individual's pattern of behavior is self-destructive, interferes with the achievement of the individual's educational objectives, or adversely affects the quality of life on campus, the Institute may intervene to correct or prevent such behavior.
5. The Institute values and safeguards the personal privacy of its members. Rooms in campus housing will not be entered by Institute personnel without the permission of the residents, or without authorization from the vice president for Student Affairs, or unless a legal search warrant has been obtained. Exceptions are made in emergency situations, such as imminent harm to individuals or serious damage to Institute property, and for reasons of health and safety.
6. The conduct of students at events that are sponsored off campus by RIT organizations must adhere to the same standards and policies as events held on campus; infractions are subject to Institute disciplinary action.
7. Campus life standards have special significance for students living in campus housing. The residence halls environment is highly interpersonal and the behavior of every individual in some way usually influences the quality of residence life for others. Therefore, standards and policies for residence life are stated explicity and are communicated to students through residence halls publications.

Summary of Conduct Policies

In keeping with the principles listed, the following broad areas of conduct for students are enunciated. Although they are not all-inclusive, they indicate in general terms the standards of student conduct that are important to the desired quality of campus life and to the educational mission of RIT. More explicit conduct policies are contained in "Student Rights and Responsibilities," the residence halls "Terms of Occupancy," and other official Institute documents.

Human Rights and Dignity
The Institute expects all students to practice high regard for the human dignity of other people. It seeks to prevent all types of discrimination on the basis of race, sex, religion, age, handicap, or national or ethnic origin. Attempts are made to resolve conflicts between individuals and groups with differing backgrounds and views through discussion and clarification of values and attitudes. However, repeated disregard for the rights and dignity of others will result in disciplinary actions in accordance with Institute policies and procedures.

Personal Conduct
Through its policies, the Institute requires conduct that contributes positively to the personal welfare of students, enhances the quality of the campus living environment, and respects the rights of others. Conduct that infringes on the rights of others or endangers any individual will not be permitted. The sanctions associated with student misconduct are outlined in Institute policies, and actions are taken in accordance with the RIT judicial process. The following statements on sexual behavior, alcohol and drug abuse, appropriate study environments, safety, and student regard for property are a further expansion of the Institute's position on the personal conduct of students.

Study Environment
Students need a campus environment that is conducive to studying. This is especially important in those facilities that are designated primarily for study. In the residence halls, each separate living unit must establish in writing the policies it will maintain to provide adequate study conditions according to the basic standards established by the Institute.

Sexual Behavior
The Institute acknowledges that a student's sexual attitudes and values are a matter of personal choice. However, responsible sexual behavior, no less than other areas of human interaction, must take into account the dignity, privacy, and rights of others. No individual should be subjected to exploitive actions. Unacceptable behavior and living arrangements are further defined within the terms of occupancy for the various Institute housing units.

Alcohol and Drug Abuse
Individual students will be held responsible for their behavior even though their judgment may be impaired because of the use of alcohol or other drugs. Registration procedures for all RIT events set forth the responsibilities and procedures to be followed by the sponsoring group at an activity where alcohol is served. No student should be pressured to consume alcohol or other drugs.

Institute policies on drug and alcohol use conform to the laws of the State of New York. The Institute is not a haven from the law, and both New York State law and Institute policy will be enforced. Those students who evidence problems with alcohol or drugs will be offered, and if necessary required, to avail themselves of counseling or other appropriate treatment. Even though individual students may be receiving such assistance, they will be held accountable for their behavior through established Institute judicial procedures.

Safety
Safety is of critical importance at all places on campus, but it is particularly important in the residence halls, because the carelessness of one individual can threaten the lives of hundreds of others. Willful violations of safety, such as causing false fire alarms, will result in immediate action according to judicial procedures. Safety inspection of individual rooms and group living areas will be conducted periodically by authorized Institute personnel.

Student Regard for Property
Students are expected to exercise appropriate care of Institute property and regard for the property of others. A student-developed property damage policy in the residence halls holds accountable those students responsible for damage.

College of Applied Science and Technology

The College of Applied Science and Technology includes the Department of Instructional Technology; the School of Computer Science and Technology; the Department of Packaging Science; the School of Engineering Technology; and the School of Food, Hotel and Tourism Management.

The Audiovisual Communications Program in the Department of Instructional Technology is designed to expand and improve the skills of graduates of two-year programs in audiovisual technology. The department has developed a national reputation in the multi-image area.

Programs offered in the School of Computer Science and Technology are designed to meet the demands of industry, government, and educational institutions. In addition to theoretical foundations, practical aspects of computer science or computer technology are emphasized. The opportunity for hands-on experience with computer systems is provided and encouraged. Graduates are prepared for employment in computer industries and computer applications departments as well as for matriculation in graduate schools.

The Department of Packaging Science offers educational opportunities for students seeking careers in the multifaceted packaging industry. Graduates are prepared for initial employment in such areas as packaging development, sales, purchasing, structural design, production, research, and marketing.

The School of Engineering Technology offers programs in Civil Engineering Technology, Computer Engineering Technology, Electrical Engineering Technology, Energy Engineering Technology, Manufacturing Engineering Technology, and Mechanical Engineering Technology. Each area consists of a carefully integrated program that is heavily involved in professional studies and coupled with a liberal arts education, mathematics, and on-the-job experience. Graduates qualify for positions within the broad engineering requirements of business, industry, and government.

The School of Food, Hotel and Tourism Management prepares graduates for positions in the areas of public dining, lodging, and tourism. The program prepares graduates for management training positions in restaurants, hotels, motor lodges, resorts, clubs, airlines, colleges and schools, businesses, and government agencies.

Dietetics is a structured professional program for persons interested in pursuing a career in the administrative and/or therapeutic aspects of food and nutritional needs in health care facilities.

The Travel Management Program prepares graduates for management careers in tour promotion, meeting and corporate travel planning, federal and state tourism boards, convention bureaus, airline/motor coach companies, retail and wholesale travel bureaus, hotels/resorts, and a variety of tourist business industries.

College of Business

The College of Business offers undergraduate degrees in Accounting, Finance, Information Systems, International Business, Management, Manufacturing and Materials Management, Marketing, Personnel and Human Resource Management, Photographic Marketing Management, and Retail Management. The college also offers a master's degree in Business Administration and Accounting (MBA).

Recognized for its excellent preparation for the rapidly evolving world of business, the college offers programs designed to prepare students for the challenges of innovation and adaptation that they will face in the field.

Faculty members of the College of Business believe that a good preparation for the business world includes a broad educational background, not only in business and management, but also in mathematics, science, the humanities, and the social sciences. This foundation enables students to think analytically, communicate and interrelate effectively, understand the ramifications of their decision making, and appreciate the complexities of the business environments in which they will work.

To achieve these goals, the curriculum has been devised to include four components: liberal arts; the business core; the major; and the cooperative work experience. By building on the liberal arts and business core components, the major provides mastery of marketable skills that are grounded conceptually in the knowledge of larger organizational and societal issues and perspectives.

Cooperative work experience gives students a chance to apply and question their classroom learning. These "hands-on," paid work opportunities are planned for the students' last two years, thus providing for sufficient educational background before their first cooperative work experience. This sequence also allows advanced coursework taken between cooperative work terms to be more meaningful. Cooperative work experience makes graduates more attractive candidates for employment.

The College of Business maintains membership in the American Assembly of Collegiate Schools of Business and the Middle Atlantic Association of Colleges of Business Administration.

College of Continuing Education

The College of Continuing Education (CCE) focuses on credit-bearing programs that can be pursued part time and non-credit workshops and seminars that provide job or career-specific training.

CCE's Academic Division offers the widest selection of credit courses in the Rochester area, including Business Administration, Computer, Science, Fine and Applied Arts, Management, Photography, Technical Communication, the technologies, and general education. In addition to associate and bachelor's degrees, CCE offers certificate and diploma programs that combine concentrations in subject areas without the additional general education requirements that accompany a full degree.

The Academic Division's flexible Applied Arts and Science degrees allow students to create individualized programs of study in a number of concentrations along with the opportunity to gain credit for college-level learning attained in non-academic settings.

RIT Training and Professional Development offers several hundred non-credit short-courses, seminars, and workshops each year. It also offers custom-tailored programs for industry, business, and organizations.

CCE offers two master's degree programs through the Career and Human Resource Development Department and the Center for Quality and Applied Statistics.

College of Engineering

The College of Engineering offers five five-year cooperative programs leading to the bachelor of science degree with majors in Computer, Electrical, Industrial, Mechanical, and Microelectronic Engineering.

All departments maintain extensive laboratory facilities to provide students with ample opportunities to work with up-to-date equipment in their respective fields. Laboratories are structured and outfitted to provide basic laboratory work as part of the engineering curricula, give students the opportunity for independent laboratory projects, and provide facilities for fundamental research by students and faculty.

The Computer Engineering program prepares graduates to design engineering products that closely incorporate or communicate with computers, and also to undertake significant graduate study where sophisticated computer design actually can be addressed.

Students in the Electrical Engineering program first develop proficiency in mathematics, science, and engineering fundamentals. While providing a sound engineering core, the program offers significant opportunity for personalized curriculum planning. Individualized study plans range from intense specialization to broad general coverage, with ample opportunity for interdisciplinary activity.

Industrial Engineering is concerned with the design, improvement, and installation of integrated systems of people, materials, and equipment. It draws upon specialized knowledge and skill in mathematical and physical science, together with the principles and methods of engineering analysis and design.

Mechanical Engineering is a comprehensive discipline, with the mechanical engineer's interests ranging from the design of missile systems to the fabrication of energy efficient structures. The spectrum of professional activity for graduates runs from research, through development and design, to manufacturing and sales. Because of their comprehensive education, mechanical engineers often assume management positions.

Microelectronic Engineering emphasizes the microlithographic aspects of microelectronic processing. It provides a broad interdisiciplinary background in optics, chemistry, device physics, computers, electrical engineering, and statistics necessary for entry into the microelectronic industry. Developed with the assistance of industry, the Microelectronic Engineering program offers an unparalleled opportunity to prepare for professional challenge and success in a leading technical area.

College of Fine and Applied Arts

The College of Fine and Applied Arts offers programs in the arts and crafts through the School of Art and Design and the School for American Craftsmen.

Concentrations or majors in the School of Art and Design are given in Graphic Design, Industrial and Interior Design, Medical Illustration, Packaging Design, Painting, Painting Illustration, Printmaking, and Printmaking-Illustration.

Concentrations in the School for American Craftsmen are given in Ceramics and Ceramic Sculpture, Glass, Metalcrafts and Jewelry, Weaving and Textile Design, and Woodworking and Furniture Design. During the summer, non-credit workshops afford students the opportunity to study gunsmithing and related techniques and design.

Programs in the School of Art and Design prepare students for a variety of positions in which art is related to commerce and industry. Students are prepared to accept major responsibility for the design and execution of projects in Graphic Design, Industrial and Interior Design, Medical Illustration, Packaging Design and Illustration, Painting, and Printmaking. Graduate study also is available in Computer Graphics Design. The College of Fine and Applied Arts is ranked among the top professional schools in the United States.

Programs of study in the School for American Craftsmen provide for excellence in creative growth, the development of professional competence, and intellectual and cultural enrichment. The program is a unique blend of apprenticeship and academics. Students who complete the two-year program are prepared to work in the design studios and workshops of established craftspeople, or as technicians in industry. Those who complete the four-year course of study are prepared for careers as self-employed designer craftspeople, designers or technicians in industry, or teachers or administrators of crafts programs. Graduates assume leadership roles in industry, education, and major design studios.

The educational objectives of the school are to stimulate creative imagination and technical invention, develop knowledge of process and command of skills, and foster appreciation, not only of the crafts, but of the related arts. The program strives to inspire students to seek continual improvement through analysis and self-evaluation.

Studies in these two schools express a common educational ideal: the conviction that technical competence provides the most satisfactory foundation for the expression of creative invention and excellence. However, the mastery of techniques is seen as a means, not an end; the end of education in the arts is the combined exercise of creative imagination and technical virtuosity.

College of Graphic Arts and Photography

RIT's College of Graphic Arts and Photography has a worldwide reputation for the first-rate preparation it offers its students.

The college has four main divisions: the Center for Imaging Science; the School of Photographic Arts and Sciences; the School of Printing, Management and Sciences; and the Technical and Education Center of the Graphic Arts.

The Center for Imaging Science was established to meet a growing need in government and industry for highly skilled scientists in Imaging Science. The Center provides research support and contract work as well as undergraduate and graduate programs in graphic arts, photographic science, remote sensing, digital imaging, and optics. The undergraduate program in Imaging Science is the only program of its kind in the nation.

Graduates of this program are much in demand by government and industry in the fields of aerospace, business machines, information handling, microelectronics, scientific instruments, graphic arts, industrial chemicals, and photographic materials and equipment.

The center offers a master of science degree in Imaging Science and in Color Science, Appearance, and Technology. The center houses the Munsell Color Science Laboratory, which is dedicated to a program of instruction and research and is an industrial liaison on color science and technology.

The School of Photographic Arts and Sciences houses a wide range of facilities and equipment, including 175 individual darkrooms, 44 fully equipped studios, a complete photo processing laboratory, and several technical laboratories.

The school offers five programs leading to the baccalaureate degree: Biomedical Photographic Communications, Film/Video, Imaging and Photographic Technology, Photographic Processing and Finishing Management, and Professional Photographic Illustration. The school offers a master of fine arts degree in Imaging Arts, and also, through the school's American Video Institute, a graduate sequence in videodisc and optical systems for students in a variety of RIT master's degree programs.

Biomedical photographers work closely with medical professionals in hospitals, medical centers, and other health and research institutions. RIT's Biomedical Photographic Communications program has been developed in cooperation with the Biomedical Photographic Association, the certifying and registering professional organization of the biomedical photography field.

Students in the Film and Video Program take introductory courses in still photography, film, and video before deciding on an area of specialization. Local television stations, networks, cable franchises, and commercial production houses, as well as the motion picture industry, need skilled cinematographers, editors, directors, and producers. Graduates of the program will have had experience, including many forms of animation, both in the studio and on location.

The Photographic Processing and Finishing Management Program combines the study of production processes and business practices. Students choosing this program learn how to produce the highest quality prints in the shortest possible time within reasonable economic limits. They also are taught how to market photo processing in a competitive market.

The Professional Photographic Illustration Program prepares students for those areas of photography that require the solving of visual communication problems with a sound technical base. Students are encouraged to develop innovative and individualized responses to visual problems. The program prepares students for careers as scholars, photohistorians, and photojournalists, as well as for photographic positions in advertising, government, and educational institutions.

The primary focus of the Imaging and Photographic Technology Program is the technical and managerial aspects of photography. In addition to coursework, students are required to intern in a professional photographic area or to complete a research project. Either option requires students to apply classroom education to the practical experience. Careers open to graduates include technical sales, technical writing, quality control, product development and testing, laboratory supervision, technical illustration, applied research, and audiovisual production.

The School of Printing Management and Sciences has an international reputation for quality in graphic arts education. The school houses some of the most advanced graphic arts facilities available, including a state-of-the-art electronic color imaging laboratory.

The school offers four programs leading to the bachelor of science degree: Newspaper Production Management, Printing, Printing and Applied Computer Science, and Printing Systems and Engineering. It also offers a master of science degree in Printing Technology.

The Newspaper Production Management Program prepares graduates to enter the industry as production assistants, assistant production managers, assistant business managers, technical specialists with suppliers, and computer specialists. Many graduates hold management positions in the newspaper industry, as operations directors, production managers, business managers, editors, and publishers. Many others work with paper and ink makers and equipment manufacturers.

The Printing Systems and Engineering Program prepares graduates who are competent in both printing and engineering. This program integrates coursework in printing technology, printing management, industrial engineering, mathematics, science, and general education. About one-half of the coursework is taken in the Department of Industrial Engineering, where students become adept at solving management control problems through computer modeling. Graduates of the program have been hired by newspapers, business forms manufacturers, and other firms that emphasize systems analysis in production.

Since computers have become widely used in the graphic arts, there is a need for personnel who have an in-depth knowledge of both printing and computer science. Recognizing this need, the School of Printing, in cooperation with the School of Computer Science and Technology, established the Printing and Applied Computer Science Program. Graduates of this program find careers in the areas of systems analysis, production control, custom engineering, custom training, market support, purchasing, process engineering, and production design.

All students are required to take courses in mathematics, science, and liberal arts. Co-op studies, internships, and scholarships also are available.

The Technical and Educational Center of the Graphic Arts provides the printing and publishing industry with current research, quality control targets, and information through consulting, testing, seminars, and publications.

A physical testing laboratory conducts industry-sponsored tests on inks, papers, and plates, and provides continuing education facilities for graphic arts personnel in industry and education. The information service library houses an extensive collection of graphic arts literature. The center also publishes reports on research and abstracts on literature pertaining to the graphic arts.

College of Liberal Arts

The College of Liberal Arts provides students with programs to develop their individual potential as intellectually aware and responsible human beings.

The College offers degree programs in Criminal Justice, Economics, Professional and Technical Communication, and Social Work. These bachelor of science degree programs prepare students for careers in both the public and private sectors. The College also provides a technical and liberal studies option that allows students to consider several careers before deciding on a particular degree program. The college offers a master of science degree program in School Psychology that leads to New York State certification as a school psychologist.

Graduates of the Criminal Justice Program find career opportunities in law enforcement, civil and criminal courts, probation and parole agencies, halfway houses, community treatment centers (including drug and alcohol treatment centers), youth service programs, counseling, crime control planning, research, and as paralegals. Many Criminal Justice graduates also go on to graduate study in such fields as law, criminal justice, and public administration.

Economics graduates find careers in business, finance, and government. They also are prepared for graduate education in economics, business administration, and law.

Employment opportunities for graduates of technical and professional communication programs include a wide range of possibilities such as training organizational staff members in speech communication skills, including public presentations, listening, and group discussion techniques; writing technical reports and manuals, speeches, or journalistic or public relations materials; doing promotions and marketing; editing in-house newsletters and journals; creating graphics, layout, and design; and analyzing organizational communication problems.

Social Work graduates are prepared to respond to the profession's trend toward a wider variety of social work practice roles, such as school social worker, vocational and rehabilitation worker, mental health worker, substance abuse counselor, independent living and workshop adjustment specialist, and community education and outreach worker. Students may choose from a broad spectrum of career goals as well as from a variety of graduate programs.

School Psychology Program graduates find positions in educational settings. They also may elect to work in developmental or residential treatment facilities or pursue doctoral study.

College of Science

The College of Science combines a foundation in facts and theory with practical laboratory and work experience. In order to acquaint students with the world of work, an introduction to the professional scene is made early in their undergraduate studies.

The College offers majors in Applied Mathematics, Applied Statistics, Biology, Biomedical Computing, Biotechnology, Chemistry, Computational Mathematics, Diagnostic Medical Sonography, Medical Technology, Nuclear Medicine Technology, Physics, and Polymer Chemistry. These majors offer a bachelor of science degree in either four or five years, depending on whether students participate in the cooperative work experience.

Students considering careers in medicine, dentistry, optometry, osteopathy, veterinary science, or podiatry can choose any major in the College of Science. There is no separate program for these careers, but students are counseled and assisted before applying to professional schools.

Undecided high school students are encouraged to register under the Undeclared Science Option. Programs can be designed to permit students to postpone a definite commitment to a particular major in science for up to a year, sometimes more, without any loss of time toward a degree.

Biology Program students are prepared for occupations related to the life sciences, including positions in biomedical research laboratories, food and agricultural industries, the pharmaceutical industry, and environmental organizations. Graduates also may pursue postgraduate and professional education.

The Biomedical Computing Program prepares students to apply computers to instrumentation, medical research, laboratory analysis, and medical information handling. Graduates work with medical professionals in clinical, industrial, and other settings.

Genetic engineering, genetics, and molecular biology form the foundation of the Biotechnology Program. Genetic engineering is used to solve the problems of inherited human diseases and to produce medical products. Graduates work as scientists in the field of biotechnology or enter advanced degree programs.

The Chemistry Program incorporates seven quarters of full-time chemical work experience for those who choose co-op. A biochemistry option is available. Graduates work in industrial research and development, process and quality control, technical sales, and service and marketing, or they may continue in postgraduate and professional education.

The Polymer Chemistry Program gives students a background in polymer chemistry as well as in the traditional areas of the science. Students are prepared for employment in the plastics, rubber, and fiber industries, and for graduate study in chemistry, polymer science, or materials science.

The Applied Mathematics Program focuses on the study and solution of problems that can be analyzed and solved through the use of mathematics. In addition to mathematics and computer science courses, students choose an applications area. Graduates qualify as applied mathematical analysts and collaborate on complex problems with other analysts.

The Applied Statistics Program provides a foundation in mathematics, statistics, and computers. Students use statistical software in the solution of problems. Graduates collaborate with specialists in areas such as statistical forecasting, quality control, and reliability analysis.

The Computational Mathematics Program incorporates a concentration of computer science with emphasis on the use of the computer as a tool in solving physical problems that have been modeled mathematically. Graduates become mathematical analysts, scientific programmers, and software engineers.

The Physics Program prepares students for careers in materials, optics, laser physics, electro-optics, electronics, health-related physics, computational physics, engineering, microelectronics, geophysics, biophysics, and imaging science. Graduates enter research and development work or advanced studies.

The Medical Technology Program prepares students to perform medical laboratory analyses that provide physicians with crucial data. Graduates work in clinical laboratories in hospitals; industrial, medical, or research centers; and pharmaceutical companies in the areas of hematology, microbiology, clinical chemistry, immunohematology, and urinalysis.

Nuclear Medicine Technology uses small amounts of radioactive materials to analyze the structure and function of human organs. The nuclear medicine technologist performs scanning and other medical procedures that assist physicians in making diagnoses. Career opportunities exist in clinical work, sales, research, education, and health safety.

Diagnostic Medical Sonography (ultrasound) is an imaging technique that uses high frequency sound waves to study the structure and development of the fetus and adults. Students develop the interpersonal and technical skills needed to perform and record ultrasound examinations for interpretation by physicians.

The College of Science also offers master of science degree programs in Chemistry, Clinical Chemistry, and Materials Science and Engineering.

The Chemistry Program seeks to increase the breadth and depth of students' backgrounds while encouraging a spirit of creative thinking. Full-time students complete required and elective coursework, including an original research project leading to a thesis.

Clinical Chemistry is applied biochemistry specifically focused on the diagnosis of human diseases. Students in the Clinical Chemistry Program complete required and elective coursework, including thesis or non-thesis research.

The Materials Science and Engineering Program, offered jointly with the College of Engineering, provides an integrated, interdisciplinary approach to the study of materials such as metals and alloys, polymers, semiconductors, ceramics, and glass.

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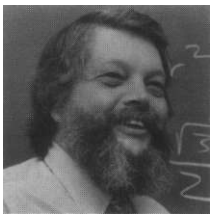

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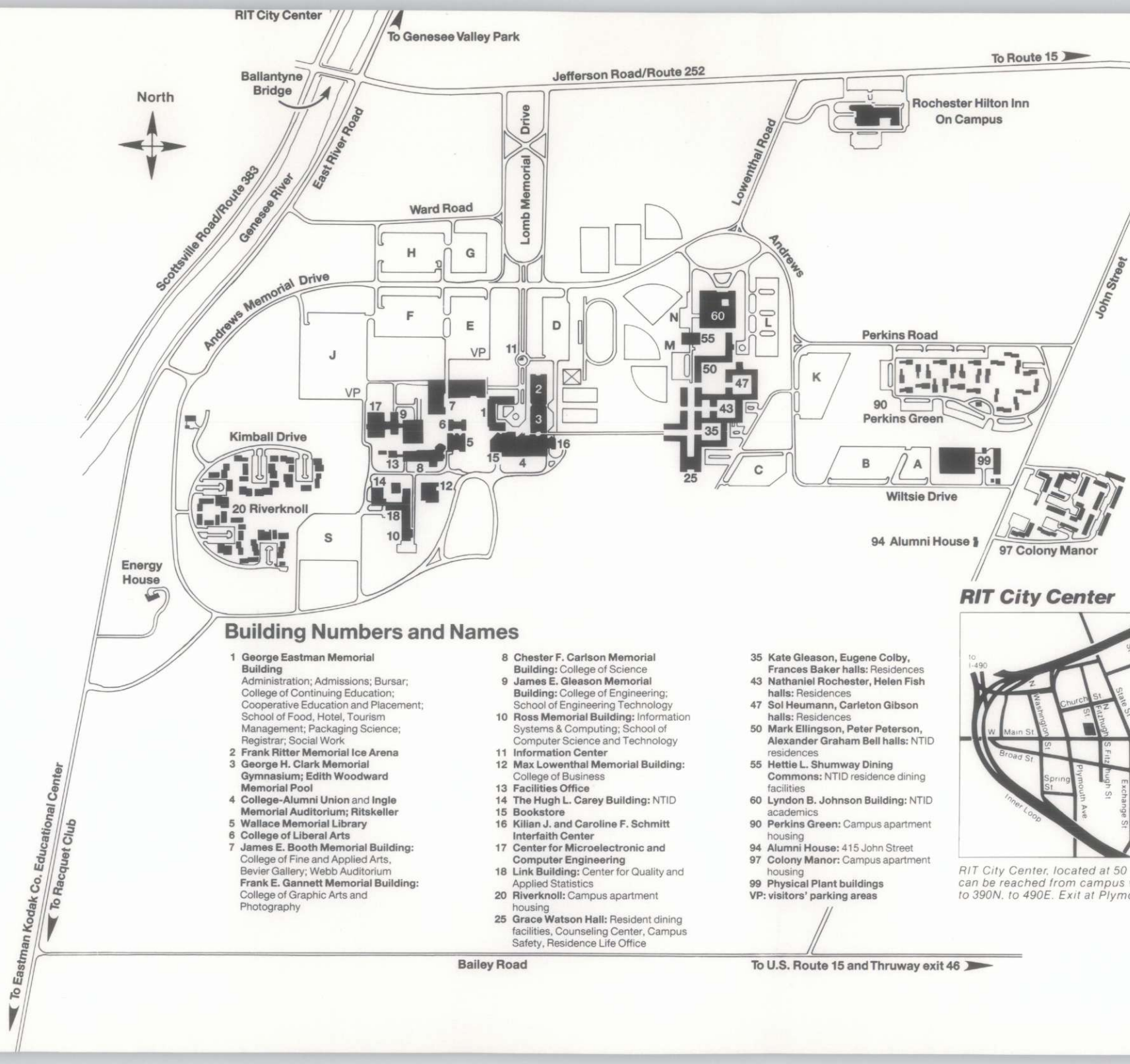

Building Numbers and Names

1 **George Eastman Memorial Building**
Administration; Admissions; Bursar; College of Continuing Education; Cooperative Education and Placement; School of Food, Hotel, Tourism Management; Packaging Science; Registrar; Social Work

2 **Frank Ritter Memorial Ice Arena**

3 **George H. Clark Memorial Gymnasium; Edith Woodward Memorial Pool**

4 **College-Alumni Union** and **Ingle Memorial Auditorium; Ritskeller**

5 **Wallace Memorial Library**

6 **College of Liberal Arts**

7 **James E. Booth Memorial Building:** College of Fine and Applied Arts, Bevier Gallery; Webb Auditorium
Frank E. Gannett Memorial Building: College of Graphic Arts and Photography

8 **Chester F. Carlson Memorial Building:** College of Science

9 **James E. Gleason Memorial Building:** College of Engineering; School of Engineering Technology

10 **Ross Memorial Building:** Information Systems & Computing; School of Computer Science and Technology

11 **Information Center**

12 **Max Lowenthal Memorial Building:** College of Business

13 **Facilities Office**

14 **The Hugh L. Carey Building:** NTID

15 **Bookstore**

16 **Kilian J. and Caroline F. Schmitt Interfaith Center**

17 **Center for Microelectronic and Computer Engineering**

18 **Link Building:** Center for Quality and Applied Statistics

20 **Riverknoll:** Campus apartment housing

25 **Grace Watson Hall:** Resident dining facilities, Counseling Center, Campus Safety, Residence Life Office

35 **Kate Gleason, Eugene Colby, Frances Baker halls:** Residences

43 **Nathaniel Rochester, Helen Fish halls:** Residences

47 **Sol Heumann, Carleton Gibson halls:** Residences

50 **Mark Ellingson, Peter Peterson, Alexander Graham Bell halls:** NTID residences

55 **Hettie L. Shumway Dining Commons:** NTID residence dining facilities

60 **Lyndon B. Johnson Building:** NTID academics

90 **Perkins Green:** Campus apartment housing

94 **Alumni House:** 415 John Street

97 **Colony Manor:** Campus apartment housing

99 **Physical Plant buildings**

VP: visitors' parking areas

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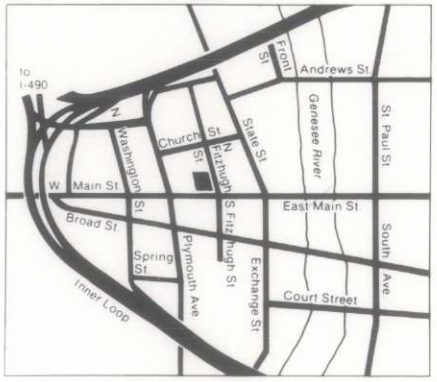

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Rochester Institute of Technology

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