YOUR · COLLEGE · FOR · CAREERS

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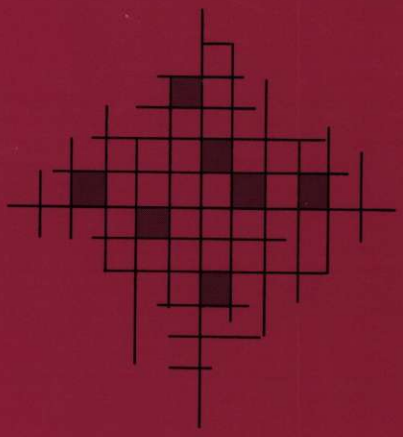


1986-88

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

Quick Reference Telephone Directory

	Voice	TDE
NTID Main Phone	475-6400	2181 I
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 I
School of Science and Engineering Careers	6270	6838
School of Visual Communication Careers	6756	67561
Communication Programs	6300	6300
General Education Programs	6297	6297 I
Educational Support Services Programs	6433	6433
Division of Public Affairs	6824	6824
Visitors:		
Prospective Students	6318	6318
All Others	6405	2181
Residence Halls 24-Hour Desk	6149	2894
Intercom Office	4592	4591 1
Financial Aid - RIT	2186	6909
VR Billing Coordinator	2080	296C
Housing-RIT	2572	2113

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. The compliance officer is James Papero.

Academic Calendar 1986-87

	Day College-Open Registration	Non-Matriculated Student Registration	Classes Begin	Last Day of Classes	Exam Week	No Classes
SVP	July 31 (move-in day) Aug. 1-3 parent/student orientation)		Aug. 4	Aug. 29		
Fall Quarter	Sept. 4 (new students) Sept. 5 (returning students)	Sept. 8	Sept. 8	Nov. 15	Nov. 17-20	Nov. 22-29
Winter Quarter	Dec. 1	Dec. 2	Dec. 2	Feb.23	Feb. 25-28	Dec. 21-Jan. 4 March 1-8
Spring Quarter	March 9	March 10	March 10	May 18	May 19-22	May 24-28
Summer Quarter	May 29	June 1	May 30	July 4-6	Aug. 10	Aug. 12-14

"Commencement •- May 23,1987

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 1986-87 *NTID Course Catalog.* For more detailed information, consult the *Course Catalog.*

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) 475-6631 (Voice)
(716) 475-6173 (TDD)

GENERAL INFORMATION

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 on 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 true multi-media learning center. It has the largest microfilm collection and the greatest use of non-print media of any area college library.

Students researching topics find many resources in the on-line computer catalog, printed matter in miniature on microfilm and microfiche, videocassettes, motion pictures, slides, filmstrips, sound filmstrips, slidetapes, Super 8 cartridges with audiocassettes, and traditional books and magazines.

Reference librarians are on duty seven days a week to assist students in the use of all library resources. More than 900 student study stations are located on the three floors of the library. Study stations include individual study carrells 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-Thursday, 8 a.m.-ll p.m.; Friday, 8 a.m.-9 p.m.; Saturday, 9 a.m-6 p.m.; and Sunday, noon-9 p.m. Special hours for exam time, breaks, and holidays are posted.

The Campuses

RIT's main campus, in suburban Henrietta, 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.

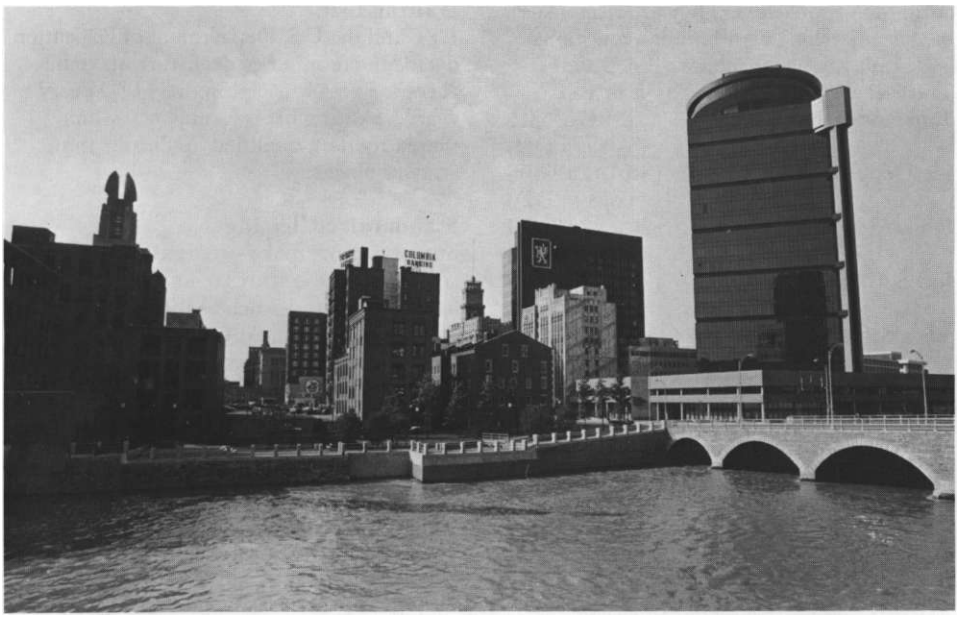
RIT's City Center campus at 50 West Main Street is part of downtown Rochester's cultural center, which includes theaters, museums, and department stores.

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.



What There Is to See and Do

Rochester and vicinity: George Eastman House (with its International Museum of Photography), Susan B. Anthony House, Strasenburgh Planetarium, Rochester Museum and Science Center, Memorial Art Gallery, Margaret Woodbury Strong Museum, GeVa Theater, Rochester Philharmonic Orchestra, professional teams in hockey and baseball, several summer theaters, golf courses, canoeing on the Genesee River, sailing on Lake Ontario, orchestral concerts (many free), parks and bike trails, excellent shopping malls, and other colleges with exchange privileges.

Twenty to fifty miles: Recreational opportunities throughout the Finger Lakes region, Stony Brook Park, Letchworth Park ("Grand Canyon of the East"), Hamlin and Sodus Beach parks, Sonnenberg Gardens, famous wineries, and Hill Cumorah Mormon Pageant.

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 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 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
- other postsecondary programs for deaf students.

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 applications for their assigned states. The career opportunities advisors are:

Tom Connolly	(716) 475-6816 (Voice/TDD)
Joe Dengler	(716) 475-6308 (Voice/TDD)
Howard Mann	(716) 475-6273 (Voice/TDD)
Jeri Stanton	(716) 475-6398 (Voice/TDD)
Steve Schultz	(716) 475-6700 (Voice) (716) 475-6727 (TDD)

For more information on admission, or to find out the name of the career opportunities advisor assigned to your state, call: (716) 475-6700, 475-6236, 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 with a career opportunities advisor is available for each applicant. 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, 475-6236, or 475-6173 (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.

Special 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, or (716) 475-6173 (TDD). All other visitors may contact the Visitors Center at (716) 475-6405, 475-6406, 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 (see page 4).

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 or one of the NTID career opportunities advisors.
2. Fill out the application form. Send it to the Associate Director of Admissions for NTID (with a $25 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
   Associate Director of 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 1986-87 year follow:

Fixed Charges

	Summer Vestibule Program	Fall	Winter	Spring	Summer
Tuition	$ 400	1 795	$ 795	$ 795	$ 795
Room	210	418	418	418	418
Board	290	591	591	591	591
Student Fees[1]		91	91	91	91
Residence Hall Fee[2]		5	5	5	5
Off-Campus Resident Fee[2]		2	2	2	2
Orientation Fee[3]		40			
Orientation Room and Board Charge[4]		43			
	$ 900	$1980-1983	$1897-1900	$1897-1900	$1897-1900

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, Student Activities, Athletic, College Union, and NTID Activities fees.

[2]Students living in the Institute Residence Halls will be charged a $5 fee; all other students will be charged a $2 off-campus resident fee.

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

[4]Charge to cover the cost of the four-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 prorated 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 $100 for the 1986-87 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 1986-87 academic year)

Business Careers	
Applied Accounting	$30
Business Occupations	30
Data Processing	35
Office Technologies	30
Engineering Technologies Careers	
Architectural Technology*	35-65
Civil Technology*	35-65
Electromechanical Technology	55
Engineering General	20
Industrial Drafting	45
Manufacturing Processes	55
Applied Science/Allied Health Professions	
Applied Science/Allied Health General	35
Medical Laboratory Technology	40
Pre-Medical Laboratory Technology	30
Medical Record Technology	30
Pre-Medical Record Technology	30
Optical Finishing Technology	30
Pre-Optical Finishing Technology	30
Mathematics Learning Center	5
Physics Learning Center	10
Visual Communication Careers	
Applied Art	50
Applied Photography	50
Printing Production Technology	100

*$35 for first-year students; $65 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 1986-87 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.

Summer Vestibule Program	$25
Communication Courses	150
Applied Science/Allied Health Professions (all majors)	175
Business Careers (all majors)	450
Computer Careers	375
Engineering Technologies Careers (all majors)	400
Visual Communication Careers	
Applied Art	450
Applied Photography	600
Printing Production Technology	150
College of Applied Science and Technology (all majors)	400
College of Business (all majors)	500
College of Engineering (all majors)	400
College of Fine and Applied Arts (all majors)	1,600-2,200
College of Graphic Arts and Photography	
School of Printing	500
School of Photographic Arts and Sciences (Film and Television, Illustration majors)	1,600
College of Liberal Arts (all majors)	400
College of Science (all majors)	400

Vocational Rehabilitation

1. Authorization for VR support **must** be on file with RIT's VR billing coordinator for NTID before registration. If the VR billing coordinator 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 coordinator 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 Coordinator for NTID
Bursar's Office
One Lomb Memorial Drive
Post Office Box 9887
Rochester, New York 14623-0887

(716) 475-2080 (Voice)
(716) 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 Coordinator 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.

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.

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 checkout 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)
(716) 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.

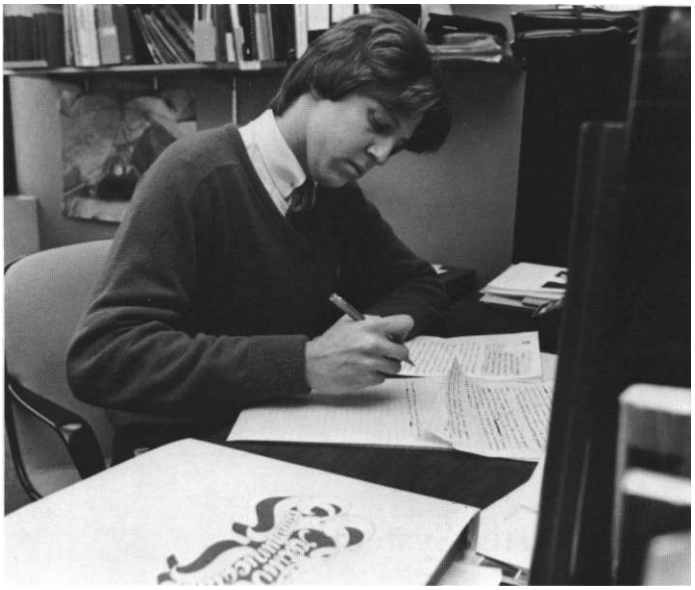
To Apply for Aid
Students are encouraged to apply for financial aid. Students and their families should not try to decide by themselves if they qualify. It always is best to leave that decision to the Student Financial Aid Office and other agencies to which they have applied.

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	$250 to 12,100	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	$200 to $2,000 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-rime 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. Students whose family's adjusted gross income is above {30,000 must demonstrate financial need to borrow under this program.	Up to $2,500 per year for undergraduate study; maximum $12,500. Up to $5,000 per year for graduate study; maximum $25,000 for undergraduate and graduate study.	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 $3,000 for first two years of undergraduate study. Maximum of $6,000 for 4 and 5 years of undergraduate study; $6,000 for graduate study.	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 $3,000 per year for each financially dependent student; aggregate maximum of $15,000 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.
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 programs both at NTID and at the other RIT colleges.

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

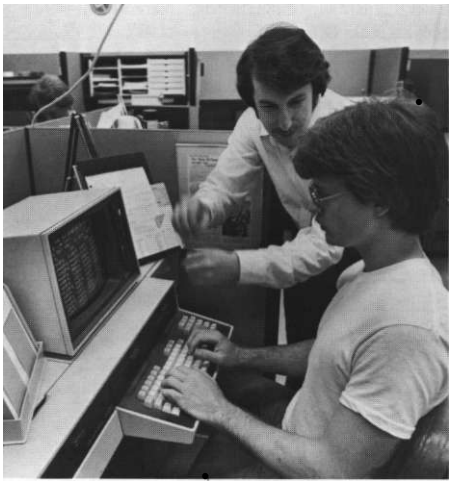
Students can choose from many programs available in each of the nine colleges of RIT. The following table shows all academic programs designed for deaf RIT students that are officially registered with the New York State Department of Education, and their Higher Education General Information Survey (HEGIS)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

	Degree and HEGIS Code		
	Certificate	Diploma	A.A.S.
School of Business Careers			
Applied Accounting		5002	5002
Business Occupations	5005		
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
Manufacturing Processes		5312	
Medical Laboratory Technician			5205
Medical Record Technician			5213
Optical Finishing Technology	5212	5212	5212
School of Visual Communication Careers			
Applied Art	5012	5012	5012
Applied Photography	5007	5007	5007
Printing Production Technology	5009	5009	5009
Support Services for the Hearing Impaired			
Interpreting for the Hearing Impaired			5506

Undergraduate and Graduate Programs of RIT Available to NTID-Sponsored Students in the Other Eight Colleges of RIT

	A.S.	A.A.S.	B.F.A.	B.S.	B. Tech.	M.B.A.	M.F.A.	M.E.	M.S.	M.S.T.
College of Applied Science and Technology										
Audiovisual Communications				•						
Career and Human Resource Development									•	
Computer Information Systems					•					
Computer Science		•		•					•	
Computer Systems Management									•	
Computer Technology		•			•					
Civil Engineering Technology					•					
Electrical Engineering Technology					•					
Energy Engineering Technology					•					
Food Management		•		•						
General Dietetics and Nutritional Care		•		•						
Hotel & Restaurant Management		•		•						
Information Science									•	
Instructional Technology									•	
Manufacturing Engineering Technology					•					
Mechanical Engineering Technology					•					
Packaging Science				•					•	
Travel Management				•						
College of Business										
Business Administration				•		•				
Business Administration — Accounting		•		•		•			•	
Business Administration — Information Systems				•						
Business Administration - Manufacturing and Materials Management				•						
Business Administration — Photographic Marketing Management		•		•						
Business Administration — Retail Management		•		•						
Human Services 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.F.A.	M.E.	M.S.	M.S.T.
College of Fine and Applied Arts										
Art Education										
Ceramics and 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		•		•						
Film and Video		•	•							
Imaging and Photographic Science		•		•					•	
Newspaper Production Management				•						
Photographic Processing and Finishing Management		•		•						
Photography							•			
Professional Photographic Illustration		•	•							
Printing		•		•						
Printing and Applied Computer Science										
Printing Education									•	•
Printing Systems Management										
Printing Technology									•	
Technical Photography		•		•						
College of Liberal Arts										
Criminal Justice				•						
Economics				•						
Professional and Technical Communication				•						
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	•			•						

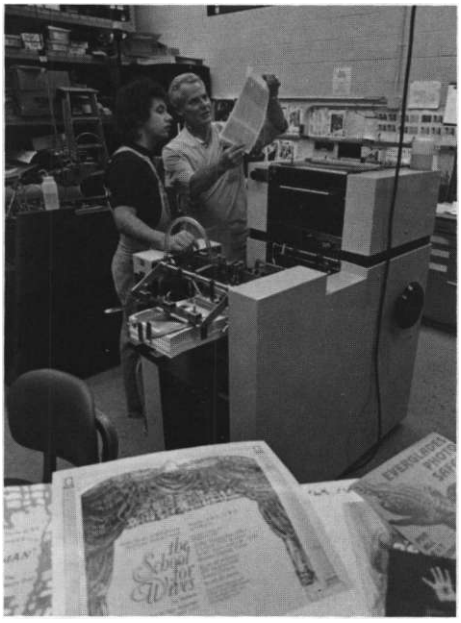


Career preparation means that all aspects of an education are designed to prepare students for successful careers. As a comprehensive institution of higher education, NTID at RIT offers career preparation in three related areas:

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 extra-curricular 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 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.

Cooperative Work Experience

Cooperative work experience (co-op) is an important component of NTID students' career development. Almost every program of study requires at least one co-op experience before students can be certified for graduation. Co-op jobs range from one quarter (10 weeks) to five quarters (50 weeks) of actual job experience, depending on the requirements of the specific program. Most co-ops occur during summer quarter.

Co-op gives students the opportunity to apply classroom learning to actual job activities while testing and developing their technical, personal/social, and communication skills. Co-op also gives students a better understanding of job demands and the world of work. These experiences are beneficial to students as they make the transition from school to work after graduation. NTID students who have participated in cooperative work experiences often report that co-op is one of the more rewarding and valuable parts of their education at RIT.

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.

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, 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

Business Occupations
Certificate Program

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

On-The-Job Responsibilities
Type business communications, operate electronic calculators, maintain files, keep basic payroll records, and enter data on computer terminals.

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

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

C.O.R.E. Certificate Program - Office Technologies - NBTP

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-105	Office Procedures Math	3
0847-101	Job Search Process	1
	Communication	2
	English	4
		15

Second Year

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

Winter Term

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-112	Beginning Typing II	2
0804-212	Business Procedures II	3
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
		f6

Summer

0804-299	Co-op Work Experience

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

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

'Recommended General Education Courses for Business Majors

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

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

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. In addition, the program emphasizes acquisition of general office skills and procedures and provides an introduction to general accounting activities. Special emphasis is placed on the development of information processing skills at the associate level.

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

Office Technologies: Diploma —NBTP

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
0817-105	Office Procedures Math	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
0817-122	Algebra IA (optional)	3
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Physical Education	0
		13-16

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

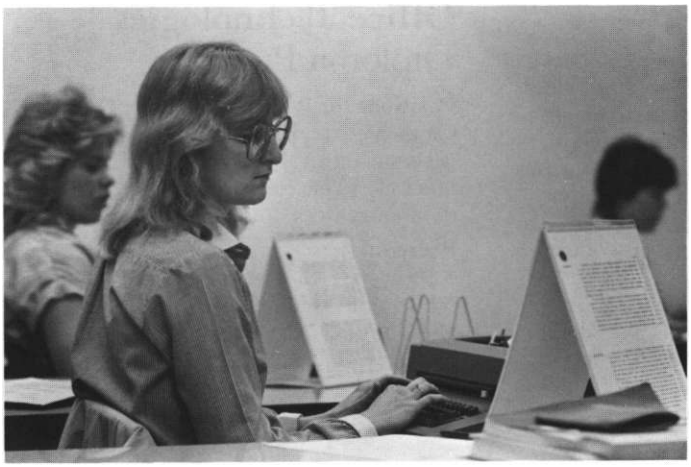
0804-230	Office Practice and Procedures Seminar	2
0804-286	Fundamentals of Marketing	3
	or	
0804-301	Word Processing I	4
0847-102	Life After College	1
0847-147	Law and Society	2
	General Education Course Elective	2
	Communication	2
	English Elective	4
		17-18

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 — NBTP

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-111	Beginning Typing I	2
0804-211	Business Procedures I	3
0817-105	Office Procedures Math	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
0817-122	Algebra IA	3
0847-100	Dimensions of College Life	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
0817-123	Algebra IB	3
	Communication	2
	English	4
	Physical Education	0
		17

Summer

0804-299	Co-op Work Experience

Second Year

0804-201	General Accounting I	3	0801-202	General Accounting II	3
0804-221	Advanced Typing I	3	0802-210	Data Processing for Business Occupations	3
0804-284	Fundamentals of Management	3	0804-222	Advanced Typing II	3
	Communication	2		Communication	2
	English	4		English	4
		15		Physical Education	0
					15

0804-230	Office Practice and Procedures Seminar	2
0804-286	Fundamentals of Marketing	3
0804-301	Word Processing I	4
	Liberal Arts	4
	Communication	2
		15

Summer

0804-299	Co-op Work Experience

Third Year

0804-302	Word Processing II	4	0804-303	Word Processing III	4
0847-147	Law and Society	2		Liberal Arts	4
	Liberal Arts	4		Liberal Arts	4
	General Education Course Elective	2			12
		12			

0804-304	Word Processing IV	4
0804-399	Independent Study Office Practice and Procedures	2
0847-102	Life After College	1
	Liberal Arts	4
	General Education Course Elective	2
		13

Applied Accounting

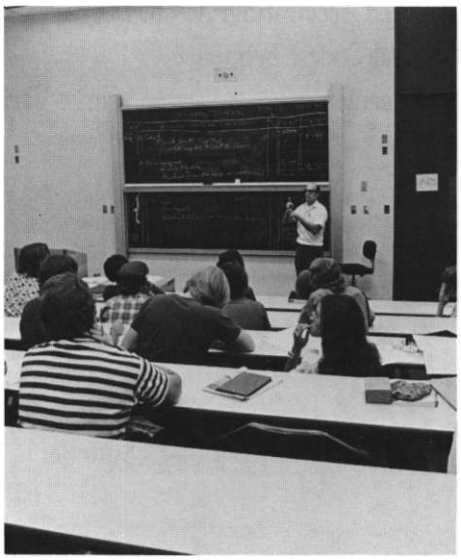
The Applied Accounting program offers a diploma and an A.A.S. degree. This program provides graduates with a basic knowledge of office technologies and general and cost accounting systems. Job experience projects familiarize students with data-entry techniques, computer applications, and payroll procedures.

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—NBIA

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0804-101	Orientation to Business	3
0804-111	Beginning Typing I	2
0804-211	Business Procedures 1	3
0817-105	Office Procedures Math	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	Dimensions of College Life	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
0817-122	AlgebraIA	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	3
0804-284	Fundamentals of Management	3		General Education Course Elective	2		or	
0817-123	Algebra IB	3		Communication	2	0847-102	Life After College	1
	Communication	2		English	4	0847-147	Law and Society	2
	English	4			14		General Education Course Elective (optional)	2
	Physical Education	0					Communication	2
		18					English Elective	4
								13-16

Applied Accounting
A.A.S. Degree Program

Positions for Which Graduates Qualify
Accounting technician, audit clerk, cost clerk, accounts receivable/payable clerk, payroll clerk, and general accounting clerk

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

Approximate Time
11 quarters

Other RIT Programs in Business

College of Business

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.

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.
Degrees granted: B.S., M.B.A.

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.

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.
Degrees granted: B.S., M.B.A.

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.

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.
Degrees granted: B.S., M.B.A.

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.
Degrees granted: B.S., M.B.A.

Applied Accounting: A.A.S. Degree — NBIA

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 1	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	0817-122 Algebra IA	3
0817-105 Office Procedures Math	3	0847-100 Dimensions of College Life	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
			16		

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	0817-126 Algebra IIA	3
0817-123 Algebra IB	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
0817-127 Algebra IIB	3	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
Liberal Arts	4	Liberal Arts	4	0847-102 Life After College	1
	15		13	Liberal Arts	4
				General Education Course Elective	2
					16

Photographic Marketing Management
The photographic and 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.

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. The Business/Computer Science Support Department assists students cross registered in this college.

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
- Algebra IA
- 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 may have difficulty in this program.

Approximate Time
5 quarters

Data Processing: Certificate — NBTD

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0802-100	Introduction to Data Processing	2
0802-157	Beginning Computer Operations	1
0802-158	Laboratory	1
0817-122	Algebra IA	3
0847-101	Job Search Process	1
	Communication	2
	English	4
		14

Winter Term

		Cr. Hrs.
0802-170	Utilities/JCL for Computers	2
0804-101	Orientation to Business	3
0817-123	Algebra IB	3
0847-100	Dimensions of College Life	2
	English	4
		14

Spring Term

		Cr. Hrs.
0802-101	Introduction to Business Programming	3
0802-161	Business Computers Systems Facilities	2
0802-390	Data Processing Seminar	1
	Communication	2
	English	4
		12

Summer

0802-299	Co-op Work Experience

Second Year

		Cr. Hrs.
0802-125	Data Processing Technical Communications	2
0802-162	Computer Console Operations	1
0817-104	Business Mathematics	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
- Algebra IA
- 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 may have difficulty in this program.

Approximate Time
7 quarters

Data Processing: Diploma — NBTD

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0802-100	Introduction to Data Processing	2
0802-157	Beginning Computer Operations	1
0802-158	Laboratory	1
0817-122	Algebra IA	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	Dimensions of College Life	2
	Communication	2
	English	4
		15

Spring Term

		Cr. Hrs.
0802-101	Introduction to Business Programming	3
0802-161	Business Computer Systems Facilities	2
0802-171	Computer Architecture	1
0817-123	Algebra IB	3
	Communication	2
	English	4
		15

Summer

0802-299 Co-op Work Experience

Second Year

0802-120	On-Line Processing/ Programming	2	0802-230	Business COBOL I	3
0802-162	Computer Console Operations	1	0802-260	System Generation for Operators	1
0817-104	Business Mathematics	3	0802-261	Laboratory	2
	Business Elective	3		Business Elective	3
	English	4		Communication	2
	Physical Education	0		English	4
		13		Physical Education	0
					15

0802-231	Business COBOL II	3
0802-250	Multiprogramming/ Spooling for Operators	2
0802-251	Laboratory	1
0802-390	Data Processing Seminar	2
0817-126	Algebra IIA	3
	Business Elective	2
	Communication	2
		15

Data Processing: A.A.S. Degree — NBTD

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	0817-123	Algebra IB	3	0804-101	Orientation to Business	3
0817-122	Algebra IA	3	0847-100	Dimensions of College Life	2	0817-104	Business Mathematics	3
0847-101	Job Search Process	1		English	4		Communication	2
	Communication	2		Physical Education	0		English	4
	English	4			13			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
0817-126	Algebra IIA	3		Business Elective	3	0802-251	Laboratory	1
	Business Elective	3		Communication	2	0817-127	Algebra IIB	3
	English	4		English	4		Liberal Arts	4
	Physical Education	0		Physical Education	0		Communication	2
		13			13		Physical Education	0
								15

Summer

0802-299 Co-op Work Experience

Third Year

0802-260	System Generation for Operators	2	0802-262	Advanced Operating Systems	2	0802-390	Data Processing Seminar	1
0802-261	Laboratory	1	0802-263	Laboratory	1		Technical Elective	3
0817-163	Data Processing Mathematics	3	0802-240	Assembler Language Programming	3		Liberal Arts	4
	Technical Elective	3		Business Elective	3		Liberal Arts	4
	Liberal Arts	4		Mathematics Elective	3		Communication	2
	Communication	2		Liberal Arts	4			14
		15			16			

Data Processing
A.A.S. Degree Program

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

Prerequisites
- Algebra IA
- 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 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 Information Systems
This program prepares graduates for careers as management systems analysts, information systems designers, and business applications programmers. The systems application area is selected from the other RIT programs. The master of science program in computer systems management provides students with professional competence in managing a computer installation or complex in industry, education, and government.
Degrees granted: A.A.S., B. Tech., M.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.

Computer Systems Management
This program prepares graduates for employment in leadership roles in computer industries and in computer applications departments of other industries.
Degree granted: M.S.

Computer Technology
This program qualifies graduates as technicians capable of computer trouble shooting and repair. Bachelor's degree graduates are prepared for careers as technologists, capable of both software and hardware installation and maintenance.
Degrees granted: A.A.S., B. Tech.

Information Science
This program prepares students for work in the areas of business, industry, and education where information is managed by data systems. Graduates will be proficient in the areas of data base systems, data management, information storage, information retrieval, library management, information media, and displays.
Degree granted: M.S.

College of Business

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.

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 Engineering 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 — NTSL

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
0817-123	Algebra IB	3	0817-126	Algebra IIA	3	0817-127	Algebra IIB	3
0847-100	Dimensions of College Life	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 Work 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 — NTSL

Typical Course Sequence

Fall Term			Winter Term			Spring[Term		
Pre-Technical Requirements								
		Cr. Hrs.			Cr. Hrs.			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	0815-116	MLT Chemistry III	4
0817-123	Algebra IB	3	0817-126	Algebra IIA	3	0817-127	Algebra IIB	3
	Communication	2	0847-100	Dimensions of College Life	2		Communication	2
	English	4		English	4		English	4
	Physical Education	0		Physical Education	0		Physical Education	0
		17			17			17
First Year								
0816-101	Anatomy/Physiology and Disease I	4	0816-102	Anatomy/Physiology and Disease II	4	0816-131	Microbiology I	5
0816-121	Urinalysis	2	0816-123	Advanced Hematology	5	0816-133	Blood Bank Procedures	3
0816-122	Hematology	4	0816-132	Immunology	3	Optional	MLT Elective (Choose one from the following:)	3-6
0817-170	MLT Math	3		Communication	2			
0847-101	Job Search Process	1		English or		0816-111	Basic Histology (6)	
	English	4		Liberal Arts	4	0816-140	Electron Microscopy (3)	
		18			18	0816-141	Photomicroscopy (3)	
							Liberal Arts	4
								15-18
			Summer					
			0816-299	Co-op Work Experience				
Second Year								
0816-201	Clinical Chemistry I	6	0816-202	Clinical Chemistry II	5	0816-105	Medical Parasitology	2
0816-232	Microbiology II	6	0816-233	Microbiology III	5	0816-203	Clinical Chemistry III	5
	Liberal Arts	4		Liberal Arts	4	0816-224	Laboratory Simulation	3
	Communication	2		Communication	2	0847-102	Life After College	1
		18			16		Liberal Arts	4
								15

Accreditation
The Medical Laboratory Technology program has applied for accreditation from the American Medical Association Committee on Allied Health Education and Accreditation (CAHEA) in collaboration with the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Accreditation will allow graduates to write the MLT American Society of Clinical Pathologists (ASCP) Certification Examination. Qualified second-year students in the MLT program will participate in an affiliated hospital experience as part of their educational program. Students are required to have a physical examination before participating in the clinical cooperative work experience. The RIT Student Health Center conducts physical examinations for a nominal fee.

Medical Record Technology Program

The medical record technician prepares, analyzes, and retrieves information from the patient health record to assist in the proper care of the patient. A medical record technician does not have direct patient contact.

The A.A.S. program includes a clinical affiliation in Rochester during one academic quarter. Students take a cooperative work experience in their home area during the summer quarter between the first and second years of the program. Students are responsible for obtaining their own transportation to these practice sites. A physical examination is required before beginning the affiliation program. The RIT Student Health Center conducts physical examinations for a nominal fee.

Pre-Technical Program

More than 90 percent of the 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 (Algebra IA, IB, and Medical Record Statistics); English or Liberal Arts; Typing; 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). Students graduating from an accredited educational program for medical record technicians qualify to write the professional accreditation exam. The fee for this examination is determined yearly by the 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 retrieval of medical records; prepare and maintain specialized registries; and keep records secure and confidential.

Places of Employment

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

Prerequisites:

- MRT Biology I, II, III
- Algebra IA, IB

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 program.

Medical Record Technology: A.A.S. Degree — NTSR

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
0819-106	Biology I	4	0817-123	Algebra IB	3	0817-109	Medical Record Statistics	3
0817-122	Algebra IA	3	0819-107	Biology II	4	0819-108	Biology III	4
0847-100	Dimensions of College Life	2		Communication	2	0819-145	Health Organization	4
	Communication	2		English	4		English	4
	English	4		Physical Education	0			
		17			15			17

First Year

0819-111	Anatomy/Physiology I	4	0804-221	Advanced Typing I	3	0802-210	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 11	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

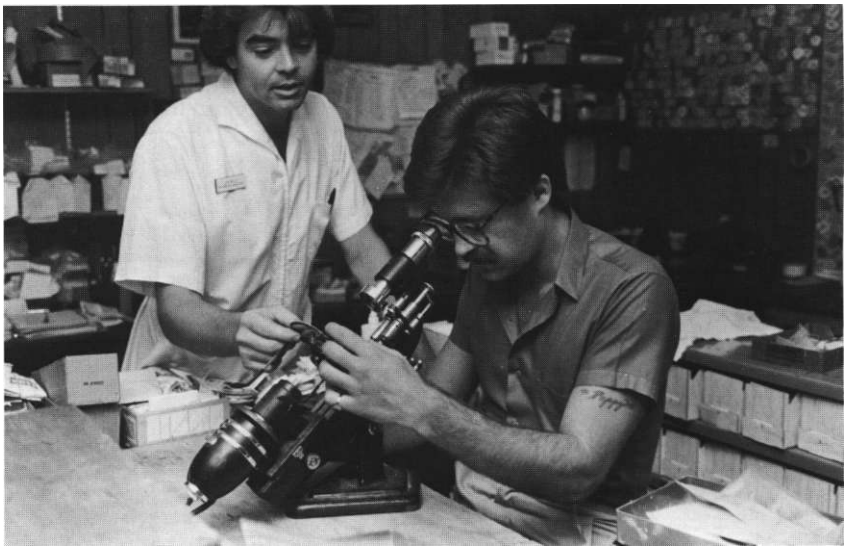
0819-244	Medical Records Science IV	5	0819-245	Medical Records Science V	5	0819-246	Medical Records Science VI	5
0819-264	Medical Terminology IV	3	0819-251	Pathophysiology I	3	0819-252	Pathophysiology II	3
0847-101	Job Search	1	0847-102	Life After College	1	0819-275	Medical Terminology V	3
	Liberal Arts	4		Liberal Arts	4		Liberal Arts	4
	Communication	2		Communication	2			15
		15		Physical Education	0			
					15			

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, and A.A.S. degree programs in Optical Finishing Technology.

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.



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

Position for Which Graduates Qualify
Optical laboratory benchperson

Prerequisites
- Algebra IA, IB
- 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
6 quarters with pre-technical program, including one cooperative work experience
4 quarters without pre-technical program

Optical Finishing Technology: Certificate — NTSF

Typical Course Sequence

Pre-Technical Requirements

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-120	Basic Mathematics	3	0817-122	Algebra IA	3	0817-123	Algebra IB	3
0827-105	Introduction to OFT I	2	0827-106	Introduction to OFT II	2	0818-168	Physics I (optional)	4
0847-100	Dimensions of College Life	2		General Education	2	0827-107	Introduction to OFT III	2
	Communication	2		Communication	2	0847-101	Job Search Process	1
	English	4		English	4		Communication	2
	Physical Education	0		Physical Education	0		English	4
		13			13		Physical Education	0
								12-16

First Year

0827-111	OFT Math I	3	0827-112	OFT Math II	3	0827-122	Optical Finishing Techniques II	5
0827-115	Prescription Analysis I	3	0827-116	Prescription Analysis II	3	0827-123	Optical Finishing Techniques III	6
0827-161	Optical Finishing Terminology I	3	0827-121	Optical Finishing Techniques I	5	0827-163	Optical Finishing Terminology III	3
	Communication	2	0827-162	Optical Finishing Terminology II	3	0847-102	Life After College Communication	1 2
	English	4		English	4			
		15			18			17

Optical Finishing Technology
Diploma Program

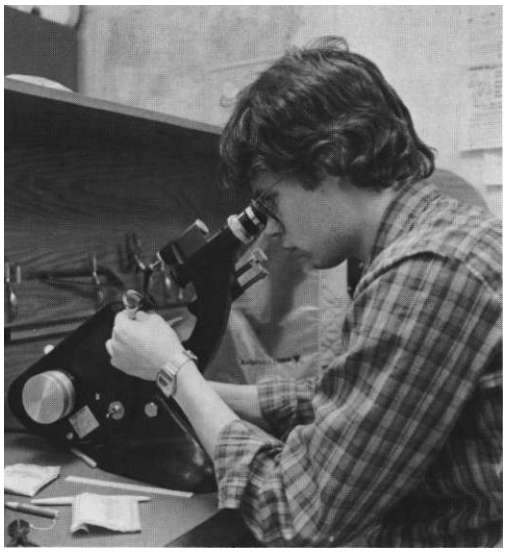
On-the-job Responsibilities
Follow the vision care specialist's instructions as written on the prescription, perform procedures requested by the laboratory supervisor to prepare eyeglasses for use, and maintain laboratory and equipment according to industry (American National Standards Institute) standards.

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

Position for Which Graduates Qualify
Optical laboratory technician

Prerequisites
- Algebra IA, IB
- 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 — NTSF
Typical Course Sequence

Fall Term

Pre-Technical Requirements

		Cr. Hrs.
0817-120	Basic Mathematics	3
0827-105	Introduction to OFT I	2
0847-100	Dimensions of College Life	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
0847-101	Job Search Process	1
	Communication	2
	English	4
		16

Second Year

0827-224	Optical Finishing Techniques IV	5
0827-241	Management of Optical Stockroom Procedures	4
	General Education	1
	Communication	2
		12

Winter Term

		Cr. Hrs.
0817-122	AlgebraIA	3
0827-106	Introduction to OFT II	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
		13

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

0818-165	Physics I	4
0827-225	Lab Simulation I	5
0827-251	Optical Finishing Technology Seminar	2
0847-102	Life After College	1
		12

Spring Term

		Cr. Hrs.
0817-123	Algebra IB	3
0827-107	Introduction to OFT III	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
		13

0827-117	Lens Design	3
0827-122	Optical Finishing Techniques II	5
0827-123	Optical Finishing Techniques III	6
0827-163	Optical Finishing Terminology III	3
		17

Summer

0827-299	Co-op Work Experience

0827-226	Lab Simulation II	5
0827-243	Optical Finishing Inspection/ Correction	3
	English	4
		12

Optical Finishing Technology
A.AJS. 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

Position for Which Graduates Qualify
Optical laboratory technician

Prerequisites
- Algebra I A, IB
- 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 — NTSF

Typical Course Sequence

Fall Term

Pre-Technical Requirements

		Cr. Hrs.
0817-120	Basic Mathematics	3
0827-105	Introduction to OFT I	2
0847-100	Dimensions of College Life	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
0847-101	Job Search Process	1
	Communication	2
	English	4
		16

Second Year

0827-224	Optical Finishing Techniques IV	5
0827-241	Management of Optical Stockroom Procedures	4
	Liberal Arts	4
	Liberal Arts	4
		17

Winter Term

		Cr. Hrs.
0817-122	Algebra IA	3
0827-106	Introduction to OFT II	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
		13

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 or Liberal Arts	4
		18

Summer

0827-299	Co-op Work Experience

0818-165	Physics I	4
0827-225	Lab Simulation I	5
0827-251	Optical Finishing Technology Seminar	2
0847-102	Life After College	1
	Liberal Arts	4
		16

Spring Term

		Cr. Hrs.
0817-123	Algebra IB	3
0827-107	Introduction to OFT III	2
	Communication	2
	English	4
	Physical Education	0
		11

0827-117	Lens Design	3
0827-122	Optical Finishing Techniques II	5
0827-123	Optical Finishing Techniques III	6
0827-163	Optical Finishing Terminology III	3
		17

0827-226	Lab Simulation II	5
0827-243	Optical Finishing Inspection/ Correction	3
	Liberal Arts	4
	Communication	2
		14

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.
Degree granted: 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.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.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. The certificate option includes 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.A.S., 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.

Engineering Technologies Careers

Students selecting Engineering Technologies careers may choose one of three career 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 diploma or A.A.S. degree programs in:

1. **Construction Technologies Careers**
   Architectural Drafting
   Architectural Technology
   Civil Technology
2. **Electromechanical Technology Careers**
   Electromechanical Technology
3. **Industrial Technologies Careers**
   Industrial Drafting
   Industrial Drafting Technology
   Manufacturing Processes

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. (ABET).

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.

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, as well as coursework in Mathematics, English, Communication, and General Education.

C.O.R.E. Year-Engineering Technologies (NETB, NETF, NETH, NETK)

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0817-122	Algebra IA	3	0817-123	Algebra IB	3	0817-126	AlgebraIIA	3
0847-100	Dimensions of College Life	2		Career Exploration*	1		Career Exploration*	1
	Career Exploration*	1		General Education**	3		General Education**	3
	Communication	2		Communication	2		Communication	2
	English	4		English	4		English	4
		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 major to be admitted to it.

*'The departments encourage students to start Physics after completing Algebra IB. 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 construction 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
- **Algebra IB**
- English level 3

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

Architectural Drafting: Diploma—NETD

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0808-110	Construction Terminology	4
0808-111	Construction Drafting I	2
0817-126	Algebra IIA	3
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Physical Education	0
		17

Second Year

0808-211	Architectural Materials I	3
0808-221	Architectural Design Drafting I	4
0808-377	Building Equipment	3
0818-126	Construction Technology Physics III	3
0847-101	Job Search Process	1
		14

Winter Term

		Cr. Hrs.
0808-112	Construction Drafting II	2
0808-201	Construction Methods and Procedures I	3
0817-127	Algebra IIB	3
0818-100	Technical Physics I	3
	English	4
	Physical Education	0
		15

0808-212	Architectural Materials II	3
0808-222	Architectural Design Drafting II	4
0808-224	Construction Computations	2
0808-390	Architectural Technology Seminar	2
	General Education	2
		13

Spring Term

		Cr. Hrs.
0808-113	Construction Drafting III	2
0808-202	Construction Methods and Procedures II	3
0817-124	Geometry	3
0818-125	Construction Technology Physics II	3
	Communication*	2
	Physical Education	0
		13

0808-220	Principles of Structural Systems	4
0808-223	Architectural Design Drafting III	4
0808-375	Architectural History	2
0808-376	Building Estimating	2
0809-241	Mapping I	2
0847-102	Life After College	1
		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

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (ABET).

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

- Algebra IIA
- English level 3

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

Architectural Technology: A.A.S. Degree — NE1A

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0808-110	Construction Terminology	4
0808-111	Construction Drafting I	2
0817-127	Algebra IIB	3
0847-100	Dimensions of College Life	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	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	3
0818-125	Construction Physics II	3
	Communication*	2
	Physical Education	0
		13

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		Liberal Arts	4	0808-376	Building Estimating	2
	Liberal Arts	4	0847-102	Life After College	1		Technical Elective	1-3
		16			14		Liberal Arts	4
								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

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (ABET).

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
- Algebra IIA
- English level 3

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

Civil Technology: A.A.S. Degree — NETC

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0808-110	Construction Terminology	4
0808-111	Construction Drafting I	2
0817-127	Algebra IIB	3
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Physical Education	0
		17

Second Year

0809-250	Statics	4
0809-285	Civil Technology Seminar	2
0817-201	College Algebra, Trigonometry, and Analytic Geometry I	3
0818-125	Construction Physics II	3
0847-101	Job Search Process	1
		13

Third Year

0809-232	Surveying II	3
0809-242	Mapping II	2
0809-321	Structural Design Drafting I	4
0809-340	Fundamentals of Fluid Mechanics	4
	Liberal Arts	4
		17

Winter Term

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

0809-260	Strength of Materials	4
0809-283	Soil Mechanics	4
0809-390	Construction Seminar	2
0817-202	College Algebra, Trigonometry, and Analytic Geometry II	3
	Liberal Arts	4
		17

Spring Term

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

0809-231	Surveying I	4
0809-241	Mapping I	2
0809-284	Engineering Materials	4
0809-290	Computer Program	3
	Liberal Arts	4
		17

0809-322	Structural Design Drafting II	4
0809-350	Highway Design and Construction	4
0847-102	Life After College	1
	Liberal Arts	4
		13

0809-323	Structural Design Drafting III	4
0809-385	Principles of Environmental Technology	4
	Technical Elective	1-3
	Liberal Arts	4
		13-15

Summer

0809-299	Co-op Work Experience

"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

This program is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (ABET).

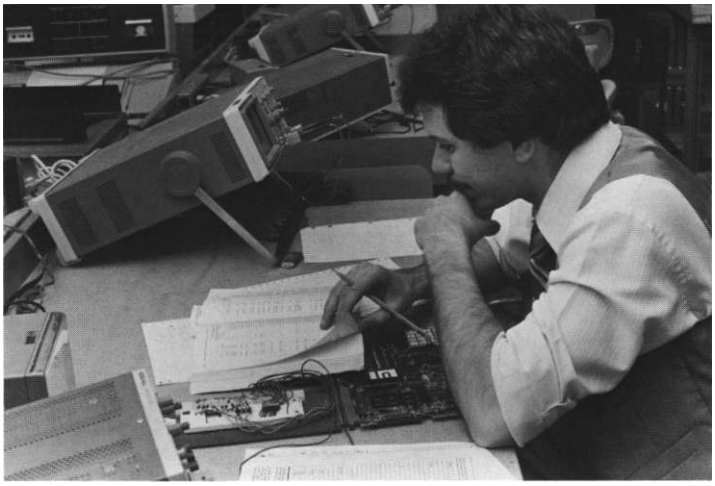
On-the-job Responsibilities
Construct and maintain equipment; apply knowledge of mechanical, electronic, and computer principles; service test equipment; and install electromechanical equipment.

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
- Algebra IB
- English level 3

Approximate Time
9 quarters with above prerequisites complete at time of admission



Electromechanical Technology: A.A.S. Degree — NETM

Typical Course Sequence

First Year

Fall Term

		Cr. Hrs.
0810-101	Basic Drafting I	2
0817-126	Algebra IIA	3
0818-100	Physics I	3
0840-100	Communication	2
0847-100	Dimensions of College Life	1
	English	4
		15

Winter Term

		Cr. Hrs.
0811-210	Computational Techniques	4
0811-241	Tool Skills	2
0817-127	Algebra IIB	3
0818-135	Physics II	3
	English*	4
	Communication*	2
		18

Spring Term

		Cr. Hrs.
0811-211	Mechanical Components	4
0811-213	Electrical Circuits I	5
0817-128	Trigonometry	3
	Communication	2
		14

Second Year

0811-304	Electrical Circuits II	5	0811-321	Machines and Power Systems I	4	0811-322	Machines and Power Systems II	4
0811-317	Mechanisms	4	0811-368	Electronics I	4	0811-369	Electronics II	5
0817-201	Algebra, Trigonometry, and Analytic Geometry I	3	0817-202	Algebra, Trigonometry, and Analytic Geometry II	3	0817-203	Algebra, Trigonometry, and Analytic Geometry III	3
0847-101	Job Search Process	1		Liberal Arts	4		Liberal Arts	4
	Liberal Arts	4			16			16
		17						

Summer

0811-299 Co-op Work Experience

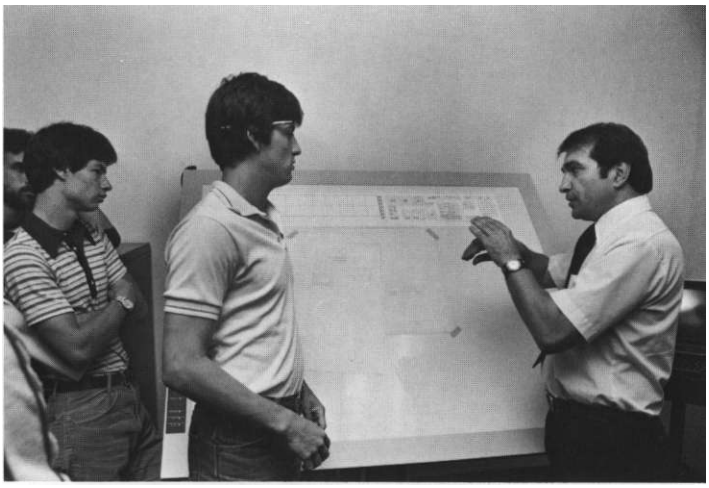
Third Year

0811-171	Digital and Analog Systems	4	0811-325	E/M Devices and Systems II	4	0811-209	Technical Graphics	2
0811-234	E/M Concepts	4	0811-327	E/M Systems Lab I	2	0811-328	E/M Systems Lab II	2
0811-324	E/M Devices and Systems I	4		Technical Elective	4		Technical Elective	4
0811-370	Electronics III	4		Liberal Arts	4		Liberal Arts	4
		16			14	0847-102	Life After College	1
								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 an associate degree program 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
- Algebra IIA
- English level 3

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 and one cooperative work experience

Industrial Drafting: Diploma—NETI

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0810-141	Basic Technical Drafting I	3
0817-127	Algebra IIB	3
0847-100	Dimensions of College Life	2
0847-101	Job Search Process	1
	Communication	2
	English	4
	Physical Education	0
		15

Second Year

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

Winter Term

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

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

Spring Term

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

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

Summer

0810-299	Co-op Work Experience

"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

This program has been accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET).

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, electrical drafter, electromechanical drafter, mechanical designer, CAD operator, and electro-mechanical designer

Prerequisites
- Algebra IIA
- English level 3

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 and two cooperative work experiences

Industrial Drafting Technology: A.A.S. Degree — NETI

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	Algebra IIB	3	0817-124	Geometry	3	0817-128	Trigonometry	3
0847-100	Dimensions of College Life	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		Liberal Arts	4
	Electives	4		Liberal Arts	4		Elective	3
		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		Technical Elective	3
		16			16		Liberal Arts	4
								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
• Algebra IB

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 and one cooperative work experience

Manufacturing Processes: Diploma—NETT

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0813-131	Manufacturing Processes I	4
0813-139	Blueprint Reading I	2
0817-126	Algebra IIA	3
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Physical Education	0
		17

Second Year

0810-101	Basic Drafting I	2
0813-134	Manufacturing Processes IV	4
0813-151	Industrial Materials	3
	Electives	4
		13

Winter Term

		Cr. Hrs.
0813-132	Manufacturing Processes II	4
0813-140	Blueprint Reading II	2
0817-127	Algebra IIB	3
0847-101	Job Search Process	1
	Communication	2
	English	4
	Physical Education	0
		16

0810-102	Basic Drafting 11"	2
0812-151	Numerical Control"	4
0813-135	Manufacturing Processes V	4
0813-153	Welding I"	2
	Elective	2
		14

Spring Term

		Cr. Hrs.
0813-133	Manufacturing Processes III	4
0813-154	Precision Measurement	2
0817-128	Trigonometry	3
	Communication"	2
	English"	4
	Physical Education	0
		15

0812-152	Numerical Control II"	4
0813-136	Manufacturing Processes VI	4
0813-152	Manufacturing Analysis"	3
0813-155	Welding II"	2
0847-102	Life After College	1
		14

Summer

0813-299 Co-op Work Experience

"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 each quarter, students are required to take two or three suggested courses, and their total number of credit hours must equal no less than 12.

Other RIT Programs in Engineering Careers

College of Applied Science and Technology

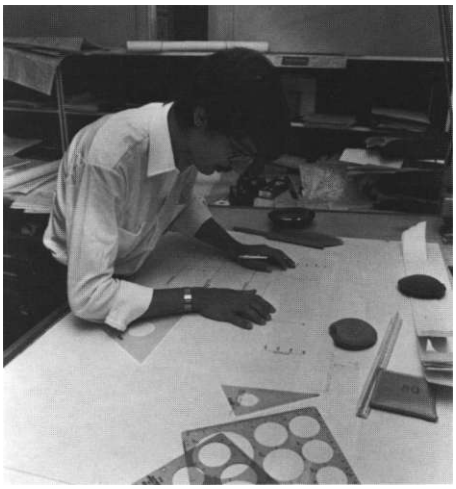
Civil Engineering Technology
This program offers two options — environmental controls and construction. The environmental option places emphasis on water and wastewater treatment. The construction option is oriented toward the building industry* Five quarters of cooperative work experience are required.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

Computer 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. Tech.

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 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.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.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.

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.

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.

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 72.

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

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, displays, and posters; prepare artwork for printing; perform darkroom functions; operate typesetting, photostat, copy camera, 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, layout artist, and graphic designer

Prerequisites

- Successful completion of a sampling experience in the art area, either through the Summer Vestibule Program or a departmental sampling program
- Demonstrated skill in the following areas: two and three-dimensional design, freehand and technical drawing, measurement, mathematics, 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 — NVAA

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0847-100	Dimensions of College Life"	2	0849-112	Basic Design II	2	0849-113	Basic Design III	2
0847-101	Job Search Process	1	0849-122	Basic Drawing I]	3	0849-123	Basic Drawing II]	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
	Communication	2		Physical Education	0			15
0849-	Applied Art Elective*	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		English	4
	Communication	2		Physical Education	0	0849-	Applied Art Elective*	2
		13			13			15

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

Third Year

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

*See page 47 for Applied Art Technical Electives; 10 or more elective credits are required for the diploma.
**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.

Applied Art: A.A.S. Degree — NVAA

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0847-100	Dimensions of College Life-	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
	Communication	2	0849-132	Media/Processes II	3	0849-133	Media/Processes III	3
	English	4	0849-142	Career Seminar II	1	0849-143	Career Seminar III	1
	Physical Education	0	0849-150	Introduction to Computer Graphic Systems'"	2	0849-	Applied Art Elective*	2
0849-111	Basic Design I	2		Communication	2		Communication	2
0849-121	Basic Drawing I	3		English	4		English	4
0849-131	Media/Processes I	3		Physical Education	0			17
0849-141	Career Seminar I	1			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	0849-	Applied Art Elective*	2
	Communication	2			13		Liberal Arts	4
	English	4					Communication	2
		17						17

Third Year

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

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.

*See this page for Applied Art Technical Electives; 10 or more elective credits are required for the A. A.S. Degree

**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.

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 0849-112 Basic Drawing 0849-122 Media/Processes 0849-132
Mechanical Perspective 0849-284	2	Basic Drawing 0849-121
Mechanical Drawing Methods 0849-285	2	Mechanical Perspective 0849-284
Drawing Applications 0849-287	2	Basic Drawing 0849-123
Freehand Lettering 0849-294	2	Media/Processes 0849-131
Finished Lettering 0849-295	2	Freehand Lettering 0849-294

Other RIT Programs in Art

College of Fine and Applied Arts

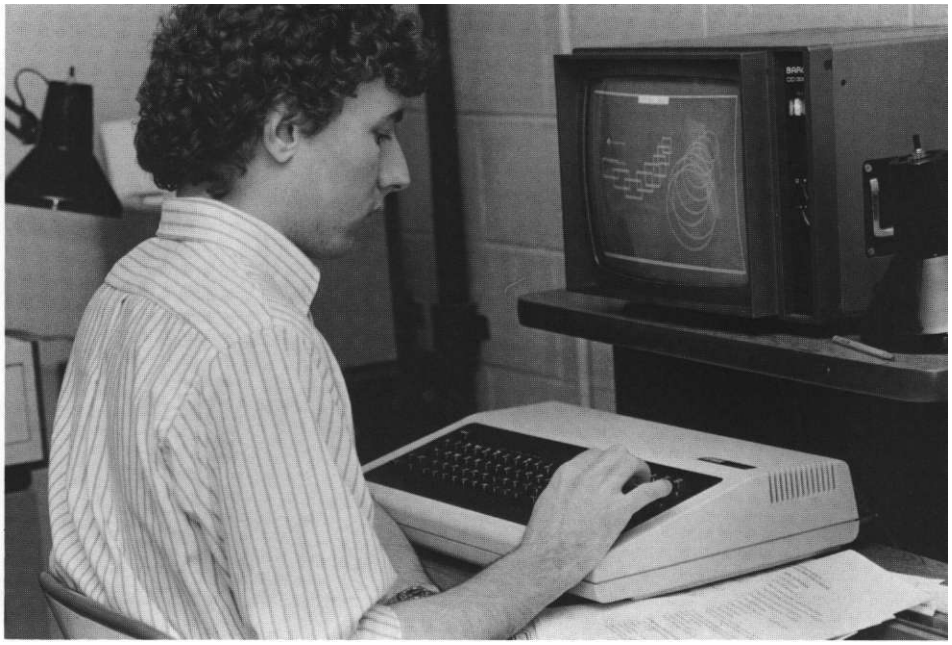
Art Education
This program qualifies graduates for permanent certification to teach in New York State public schools or as a concentration in the practice of the creative arts and crafts.
Degree granted: M.S.T.

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.

Computer Graphics
Graduates are primarily employed by corporations and companies specializing in computer graphics. Major skills developed in the program are two- and three-dimensional computer graphics, programming, and animation. This is the only graduate-level computer graphics program in the nation.
Degree granted: M.F.A.

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.

Fine Arts
Students may concentrate in printmaking, painting, 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.



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.

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.

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.

Applied Photography/Media Production Careers

People in photography and media 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 Applied Photography/ Media Production Department offers courses to prepare students who are interested in bachelor level programs. The Visual Communication Support Department assists students cross registered in those colleges.

Prerequisite
- Successful completion of a sampling experience in Applied Photography/ Media Production, either through the Summer Vestibule Program or a departmental sampling program.

Pre-Technical Program
The Applied Photography/Media Production 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 Option: Diploma - NVPP

Typical Course Sequence

First Year

Fall Term		Cr. Hrs.	Winter Term		Cr. Hrs.	Spring Term		Cr. Hrs.
0843-100	Introduction to Communication	2	0851-102	Black and White Printing	2	0851-200	Basic Color Printing	4
0847-100	Dimensions of College Life	2	0851-112	Film Processing	2	0851-210	Mechanized Film Processing	2
0851-101	Introduction to Photo Printing	4	0851-122	Introduction to Copy Work	2	0851-220	Print Finishing	2
0851-111	Introduction to Film Processing	2	0851-132	Orientation to Photo/Media Careers	2		Communication	2
0851-121	Introduction to Cameras	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 Lab I	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
0847-101	Job Search Process	1		English	4		Communication	2
	Communication	2			14		General Education or other elective	2
	English	4						13
		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

9 quarters, including Core I and Core II

First Year

Fall Term

		Cr. Hrs.
0843-100	Introduction to Communication	2
0847-100	Dimensions of College Life	2
0851-101	Introduction to Photo Printing	4
0851-111	Introduction to Film Processing	2
0851-121	Introduction to Cameras	2
	English	4
	Physical Education	0
		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 Careers	2
0851-142	Introduction to Advanced Photographic Studies*	2
	Communication	2
	English	4
	Physical Education	0
		14-16

Spring Term

		Cr. Hrs.
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

Second Year

Fall Term

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

Winter Term

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

Spring Term

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

Summer

0851-299	Co-op Work Experience

Third Year

Fall Term

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

Winter Term

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

Spring Term

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

*Introduction to Advanced Photographic Studies. An elective for students to evaluate their interest and readiness for advanced program areas.

Media Production Option: Diploma—NVPP

Typical Course Sequence

Fall Term			Winter Term			Spring Term		
0843-100	Introduction to Communication	2	0851-102	Black and White Printing	2	0851-241	Media Graphics I	3
0847-100	Dimensions of College Life	2	0851-112	Film Processing	2	0851-261	Media Photo I	3
0851-101	Introduction to Photo Printing	4	0851-122	Introduction to Copy Work	2	0851-290	AV Equipment Applications	2
0851-111	Introduction to Film Processing	2	0851-132	Orientation to Photo/Media Careers	2		Communication	2
0851-121	Introduction to Cameras	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	0851-251	Basic Computer Graphics	3	0847-102	Life After College	1
0851-242	Media Graphics II	3	0851-271	Videography I	3	0851-283	Slide Production III	3
0851-262	Media Photo II	3	0851-282	Slide Production II	3	0851-296	Media Production Workshop I	6
0851-281	Slide Production I	3		Communication	2		Communication	2
	Communication	2		English	4			12
	English	4			15			
		16						

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

Media Production Option: A.A.S. Degree - NVPP

Typical Course Sequence

Fall Term			Winter Term			Spring Term		
0843-100	Introduction to Communication	2	0851-102	Black and White Printing	2	0851-241	Media Graphics I	3
0847-100	Dimensions of College Life	2	0851-112	Film Processing	2	0851-261	Media Photo I	3
0851-101	Introduction to Photo Printing	4	0851-122	Introduction to Copy Work	2	0851-290	AV Equipment Applications	2
0851-111	Introduction to Film Processing	2	0851-132	Orientation to Photo/ Media Careers	2		Communication	2
0851-121	Introduction to Cameras	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	0851-251	Basic Computer Graphics	3	0851-283	Slide Production III	3
0851-242	Media Graphics II	3	0851-271	Videography I	3	0851-296	Media Production Workshop I	6
0851-262	Media Photo II	3	0851-282	Slide Production II	3		Communication	2
0851-281	Slide Production I	3		Communication	2		Liberal Arts	4
	Communication	2		English	4			15
	English	4			15			
		16						
			Summer					
			0851-299	Co-op Work Experience				
Third Year								
0851-343	Media Graphics III	3	0851-352	Computer Graphics II	3	0847-102	Life After College	1
0851-372	Videography II	3	0851-373	Videography III	3	0851-396	Media Production Workshop II	6
0851-384	Slide Production IV	3	0851-385	Slide Production V	3	0851-397	Media Seminar	2-6
	Liberal Arts	4		Liberal Arts	4		Liberal Arts	4
	Liberal Arts	4			13			13-17
		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 laboratories

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
9 quarters, including Core I and Core II

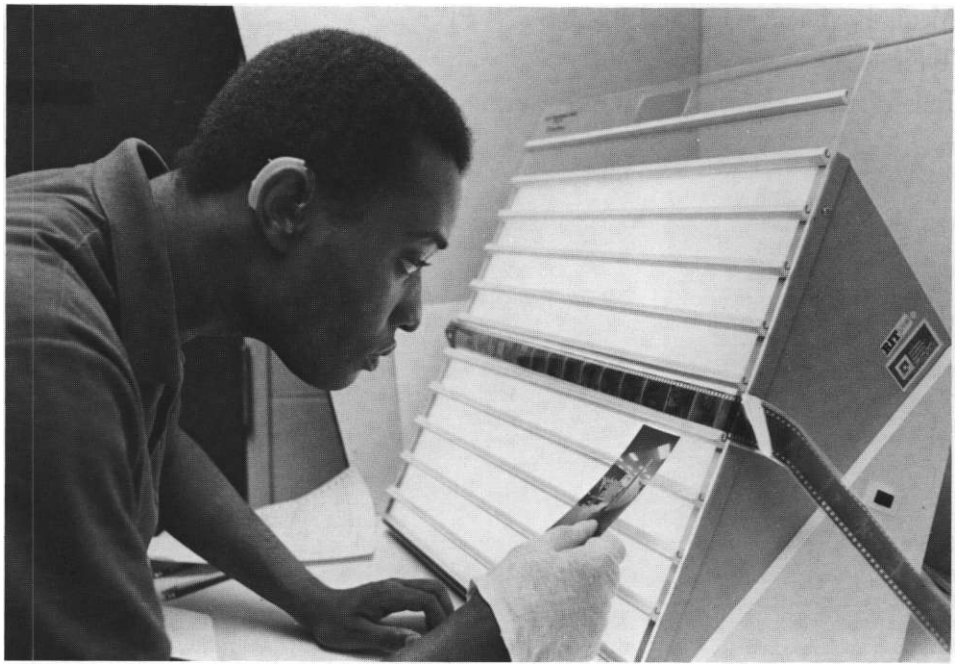
Other RIT Programs in Photography

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 Television
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 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.

Photography
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.

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.

Technical Photography
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.

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.

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.

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

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

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
8 quarters for diploma
9 quarters for A.A.S. degree

Printing Production Technology: Certificate — NVRR

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

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0817-120	Basic Mathematics	3
0822-	Level I Printing	5
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Physical Education	0
		16

Second Year

0822-	Level I Printing	5
0847-101	Job Search Process	1
	General Education	2
	Communication	2
	English	4
		14

Winter Term

		Cr. Hrs.
0822-	Level I Printing	5
	General Education	2
	Communication	2
	English	4
	Physical Education	0
		13

0822-	Level I Printing	5
0822-170	Integrated Printing Labi	2
0847-102	Life After College	1
	Communication	2
	English	4
		14

Spring Term

		Cr. Hrs.
0822-	Level I Printing	5
	Elective	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
		15

Printing Production Technology: Diploma—NVRR

Students must complete the following requirements: one Level I course from each of the four areas of offset lithography; three Level II and three Level III courses from any two of those areas; and Integrated Printing Lab I, II, and III. In addition, a work experience is required during the second summer in the program.

Typical Course Sequence

Fall Term

First Year

		Cr. Hrs.
0817-120	Basic Mathematics	3
0822-	Level I Printing	5
0847-100	Dimensions of College Life	2
	Communication	2
	English	4
	Elective	2
0847-101	Job Search Process	1
	Communication	2

Winter Term

		Cr. Hrs.
0822-	Level I Printing	5
	Elective	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
	Elective	2
0822-170	Integrated Printing Labi	2

Spring Term

		Cr. Hrs.
0822-	Level I Printing	5
	Elective	2
	General Education	2
	Communication	2
	English	4
	Physical Education	0
0822-	Level III Printing	5
0822-269	Integrated Printing Lab II	2

Summer

0822-299	Co-op Work Experience

Third Year

0822-	Level II Printing	5
0822-	Level III Printing	5
0822-270	Integrated Printing Lab III	2
	General Education	2
		14

0822-	Level II Printing	5
0822-	Level III Printing	5
0847-102	Life After College	1
	Communication	2
		13

Printing Production Technology: A.A.S. Degree—NVRR

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; Integrated Printing Lab I, II, III, and IV; nine additional printing credits; and five Liberal Arts courses.

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		Elective	2		Elective	2
0847-100	Dimensions of College Life	2		General Education	2		General Education	2
	Communication	2		Communication	2		Communication	2
	English	4		English	4		English	4
	Physical Education	0		Physical Education	0		Physical Education	0
		16			15			15

Second Year

0822-	Level I Printing	5	0822-	Level I Printing	5	0822-	Level II Printing	5
0847-101	Job Search Process	1		Elective	2	0822-	Level III Printing	5
	Elective	2		Liberal Arts	4	0822-170	Integrated Printing Labi	2
	Communication	2		Communication	2		Liberal Arts	4
	English	4			13			16
		14						

Summer

0822-299 Co-op Work Experience

Third Year

0822-	Level II Printing	5	0822-	Level III Printing	5	0822-271	Integrated Printing Lab IV	2
0822-269	Integrated Printing Lab II	2	0822-270	Integrated Printing Lab III	2	0822-	Printing Elective	3
0822-	Printing Elective	3	0822-	Printing Elective	3	0847-102	Life After College	1
	Liberal Arts	4		Elective	2		Elective	2
	Communication	2		Liberal Arts	4		Liberal Arts	4
		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 Management
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
A.A.S. Degree Program

On-the-job Responsibilities
Provide interpreting and other educational support services to hearing-impaired and deaf persons, primarily in educational settings, but also in other settings where such services are needed.

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

Special Entrance Requirements
High school diploma or equivalent; basic simultaneous communication competence.

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 — NITP

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
0850-210	Fingerspelling and Number Comprehension	3	0850-262	Theory and Practice of Interpreting II	3	0850-203	Principles of American Sign Language	3
0850-251	Aspects and Issues of Deafness I	3	0850-331	Expressive Transliterating	3	0850-252	Aspects and Issues of Deafness II	3
0850-261	Theory and Practice of Interpreting I	3	0850-391	Principles of Tutoring/Notetaking	3	0850-271	Professional Interpreter I	3
0850-398	Sign Vocabulary	1	051	Liberal Arts Social Science Elective (one of two)	4	051	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 Practicum Seminar I	1
0850-392	Tutoring/Notetaking Practicum	3

Second Year

0850-212	Voice Interpreting II	3	0850-204	American Sign Language Interpreting I	3	0502-520	College Vocabulary Skills	4
0850-332	Expressive Transliterating II	3	0850-213	Voice Interpreting III	3	0850-205	American Sign Language Interpreting II	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
050	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 Practicum Seminar II	1
0850-392	Tutoring/Notetaking Practicum	3

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, 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 independently and in the Telecommunication Lab, they 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. 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 at RIT means more than gaining technical skills. Students need to become independent thinkers, to develop personal and social skills, and to better understand themselves and their place in our culture and the world. General Education skills and knowledge help students develop the flexibility to prepare for career advancement and change, to enrich their experience in life, and to contribute to society.

Many courses and experiences will help students learn more about themselves and the world around them. Such experiences will help them to develop:

- a better understanding of American and world cultures
- a better understanding of their own values and the impact of these values on their attitudes and behaviors
- independent learning skills
- ability for self-direction, lifelong learning, and personal fulfillment
- social skills in relationships with others and the environment
- a better understanding of and appreciation for aesthetics
- an acceptance of responsibilities for their actions
- enhanced skill in all modes of communication

General Education Courses

The Division of General Education at NTID offers a variety of courses that are separate from courses in the College of Liberal Arts. General Education courses provide students with the skills and general knowledge of the world needed to function successfully as college students, future employees or employers, and citizens.

Students may choose courses that help them make decisions about their careers, develop an appreciation for differences among people, and learn about the heritage of deaf people. Courses help students learn how to study, develop leadership skills, and manage their finances. Courses are offered in theater, music instruction, dance, history, community service, basic human sexuality, and practical law for daily use.

Required Courses

Students are required to take three General Education courses:

Dimensions of College Life helps students adjust to college life. This course usually is taken during the first or second quarter.

The Job Search Process teaches students many skills they will need to find a job.

Life After College is taken just before graduation and provides students with information they need to function on and off the job.

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.

Prerequisite for all Liberal Arts courses

- a passing grade in English Composition

Prerequisites for English Composition

- fulfillment of NTID English testing and course requirements
- score of 12 or higher on English Composition Placement Test, or a grade of C or better in Written Communication II

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

Liberal Arts courses offered by NTID faculty include:

Language, Literature, and Communication
Deaf Characters in Fiction and Film
Creative Interpretation in Sign
Contemporary American Novel
World Literature
English Composition
Interpreting Literature in Sign Language
Shakespeare: Tragedy
Shakespeare: Comedy and History
Great World Drama

Behavioral Science
Introduction to Psychology
General Sociology

Social Science
Political Science

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 the 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.

A concentration is comprised of 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 Social Work, Criminal Justice, Economics, and Professional and Technical Communication 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.

Bachelor of Science in Social Work

RIT's Social Work program is fully accredited by the Council on Social Work Education. The four-year program requires excellent reading and language 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 or continue their studies at other schools with master's degree programs.

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

On-the-job Responsibilities
Assist individuals, families, and groups to solve their social problems in a variety of ways; help clients develop independent living skills; treat mental health patients; rehabilitate drug and alcohol abusers; work with delinquents and ex-offenders; and provide vocational rehabilitation.

Places of Employment
Community service agencies, rehabilitation centers, schools, mental health facilities, alcohol/drug abuse programs, government agencies, and advocacy organizations

Bachelor of Science in Criminal Justice

RIT's Criminal Justice program 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 service, and research and planning agencies; courts; and industrial and retail security operations

Bachelor of Science in 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 economics 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.

Bachelor of Science in 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.

Athletics and 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 at any time.

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.

Transfer students who have earned an associate degree from another institution, and who are required to complete a work-study assignment, are required to complete three quarters, or the equivalent of one year, of physical education at RIT.

Available Courses

Aerobic Dancing
Aikido
Air Force Physical Training (ROTC)
Aquathenics (Water Aerobics)
Archery
Army Conditioning Drills
Army Leadership Lab (ROTC)
Badminton
Ballet
Ballroom Dance
Basketball
Basketball Officiating
Billiards
Bowling
Canoeing
Canoeing (Adapted)
CPR - Multi-Media First Aid
Conditioning
Cross-Country Skiing
Dance Company
Dance Improvisation
Diving
Emergency Medical Technician Training
Fencing
Fishing
Fitness for Life
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 Saving
Modern Dance
Movement Composition
Officiating
Outdoor Experiential Education
Racquetball
"Red Barn" Ropes
Rock Climbing
R.O.T.C. Rangers
Sailing
Scuba Diving
Self Defense for Women
Sign Dance
Skeet and Trap (Beginning)
Skeet and Trap (Advanced)
Skiing (Downhill)
Soccer
Softball
Swimming
Swimming for Fitness
TaiChi
Tennis
Volleyball
Water Polo
Water Safety Instruction
Weight Management/Fitness
Weight Training
Yoga

ACADEMIC SUPPORT SERVICES

Classroom Assistance

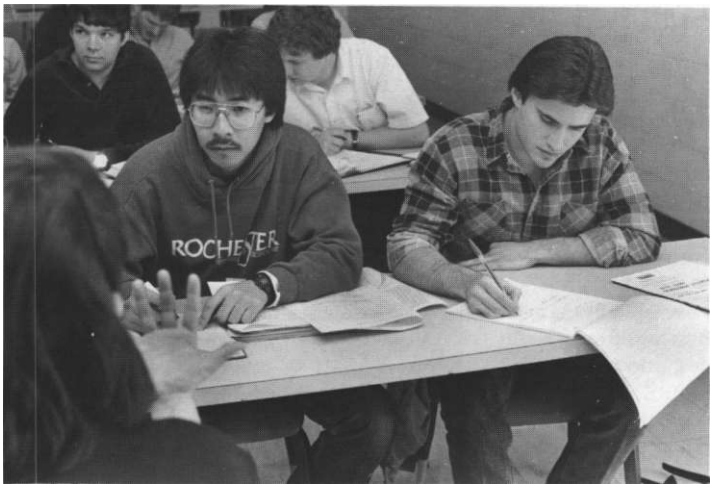
As resources permit, NTID provides support services (interpreting, tutoring, notetaking, counseling, and advising) to NTID students cross registered in RIT's other eight colleges. These support services provide the opportunity for deaf learners to function successfully in a mainstreamed environment.

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.

Campus events involving hearing and deaf participants usually include interpreters. In addition, interpreters may be requested by students, faculty, or staff members for any RIT event, be it academic, social, or personal.



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.

THE TECHNICAL AND PROFESSIONAL EDUCATION PROGRAMS OF NTID
(Leading to: Certificate, Diploma, or Associate Degree)

THE TECHNICAL AND PROFESSIONAL EDUCATION PROGRAMS OF 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 notetakers for any student who requests them.)

NTID Programs	Other RIT Colleges	Other RIT Programs	
• Business • Applied Accounting • Business Occupations • Data Processing • Office Technologies	College of Business	• Business Administration • Business Administration - Accounting • Business Administration - Information Systems • Business Administration - Manufacturing and Materials Management	• Business Administration - Photographic Marketing Management • Business Administration - Retail Management
	College of Applied Science and Technology	• Computer Information Systems • Computer Science • Computer Systems Management • Food Management	• General Dietetics and Nutritional Care • Hotel and Resort Management • Information Science • Travel Management
Applied Science/Allied Health • Histologic Assistant • Medical Laboratory Technology • Medical Record Technology • Optical Finishing Technology	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
Engineering Technologies Construction Technologies • Architectural Drafting • Architectural Technology • Civil Technology	College of Engineering	• Computer Engineering • Electrical Engineering • Industrial Engineering • Mechanical Engineering • Microelectronic Engineering	
Electromechanical Technology • Electromechanical Technology Industrial Drafting Technologies • Industrial Drafting • Industrial Drafting Technology • Manufacturing Processes	College of Applied Science and Technology	• Civil Engineering Technology (Environmental or Construction) • Computer Technology • Electrical Engineering Technology	• Energy Engineering Technology • Manufacturing Engineering Technology • Mechanical Engineering Technology • Packaging Science
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
• Applied Photography • Printing Production Technology	College of Graphic Arts and Photography	• Biomedical Photographic Communications • Film and Video • Imaging Science • Imaging & Photographic Technology • Newspaper Production Management • Photographic Processing and Finishing Management	• Photography • Printing • Printing and Applied Computer Science • Printing Education • Printing Systems Management • Printing Technology • Professional Photographic Illustration
	College of Applied Science and Technology	• Audiovisual Communications • Instructional Technology	
General Education (Programs available through cross registration into the RIT College of Liberal Arts)	College of Liberal Arts	• Criminal Justice • Economics	• Professional and Technical Communication • Social Work
	College of Applied Science and Technology	• Career and Human Resource Development	
	College of Business	• Human Services Management	
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.

Psychological Services faculty members are available on a 24-hour basis to help students who are experiencing mental or emotional crises. Students experiencing such crises may request the help of a mental health counselor at any time.

Staff members work closely with 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 enrolled in courses offered in the College of Liberal Arts and General Education Instruction. The GELC is located in Peter N. Peterson Hall. It is a living/learning environment with a staff of professionals and students.

Skilled peer tutors, working closely with the faculty, provide tutoring in the social sciences, language and literature, and science and the humanities. Formal courses are not offered. However, group instruction and special programs do take place. Available resources include reference texts, magazines and newspapers, computers, and videotape equipment.

Members of the faculty and the Rochester community participate in a co-curricular program of informal discussions on current issues of interest and importance to students.

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.

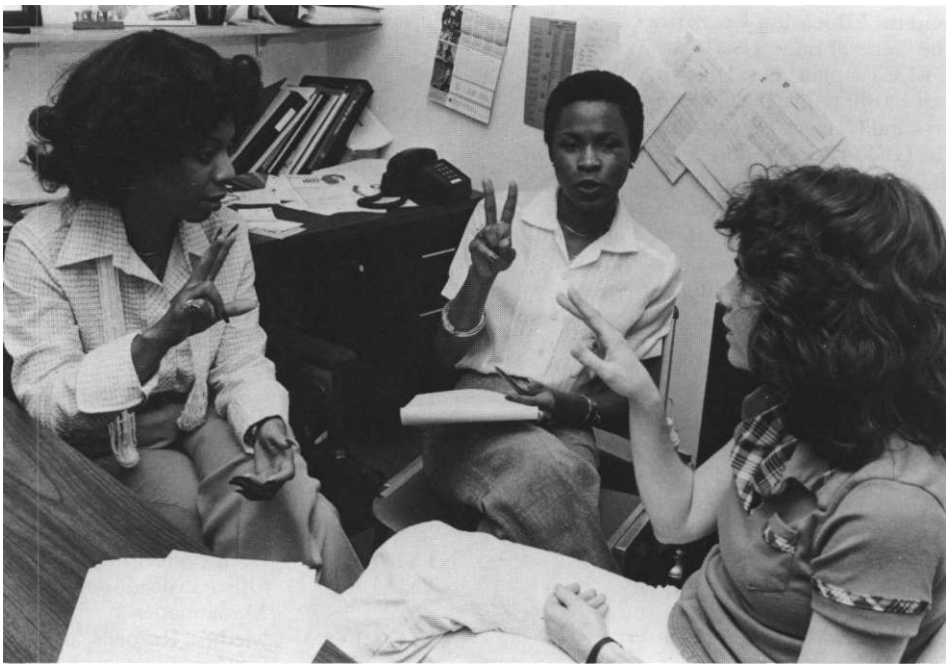
NTMM 104	Business Mathematics
NTMM 105	Office Procedures Mathematics
NTMM 109	Medical Records Statistics
NTMM 163	Mathematics for Data Processing
NTMM 170	Medical Laboratory Mathematics
NTMM 201, 202, 203	College Algebra, Trigonometry, and Analytic Geometry

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
NTSP 399	Independent Study — 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 (ITV) operates a broadcast-quality TV production facility. It also provides support for the instruction of deaf students through specialized TV program production; captioning of film, TV, and slide programs; and other instructional services.

Additional services include TV audio-visual equipment loan, TDD maintenance and loan, a TV laboratory studio, and a closed-circuit TV system programmed especially for deaf audiences. Programming includes live interpreted newscasts as well as captioned entertainment and informational programs.

Training and Development

The Training and Development Department provides print and non-print materials to support the faculty, staff, and students of NTID. Its collection of captioned and interpreted films, slides, and videotapes exceeds 1,200 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 inservice 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 77.

Professional and Staff Development

NTID offers teaching effectiveness programs to faculty members. The Department of Faculty Development provides training for new faculty members, facilitates the process of teacher supervision, assists in individual professional development plans, improves and enhances the skills of veteran faculty members, and offers training to teachers of students in mainstreamed classes.

Teaching skills and knowledge may be acquired through workshops, support groups, mentorships, and a faculty consultation program. A network of professionals throughout NTID provides the department with additional resources for training.

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 professionals with deaf people at the secondary school 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 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
Director, Educational Specialist Program
422 Lattimore Hall
Rochester, New York 14627
(716) 275-4009 (Voice/TDD)

Career Outreach Programs

The National Project on Career Education (NPCE) is supported jointly by NTID and the Pre-College Programs at Gallaudet College in Washington, D.C. NPCE offers a cadre of career education facilitators qualified to assist personnel in schools with deaf students. Training materials are available from:

Gallaudet College Bookstore
Kendall Green
Washington, D.C. 20002.

NTID's *Educational Awareness* package is designed to assist secondary school teachers of hearing-impaired students in guiding the students' analyses of career and educational plans. The package includes a teacher's guide, handout masters, transparencies, games, and a videotape. It is available from NTID's Career Outreach and Admissions Department.

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.

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 Winter and Spring Weekends. Activities are publicized through a bimonthly activities calendar.

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 525-seat Ingle Auditorium; an information desk and reservations area; a complete gameroom for bowling, billiards, table tennis, and video games; a unisex hairstyling salon; a candy and tobacco counter; three separate dining areas comprised of the main cafeteria, the Ritskeller, and the Clark Dining Room; and meeting rooms and lounges. Other offices include Union Services, Special Events, Student Affairs, Orientation, Parents' Program, Office of Minority Affairs, RIT Credit Union, Complementary Education, College Activities Board, WITR radio station, RIT-V (student television systems), the RIT yearbook *7echmila,* the student magazine *Reporter,* Amateur Radio Club, Black Awareness Coordinating Committee (BACC), Vets Club, and the Graduate Computer Science Program.

A student lounge, located in the former bookstore area, 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 study carrels, an electronic ride board, tables 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, faculty, and staff, 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, and swimming, as well as wrestling for men and swimming 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, and AIAW rules. A student must be full time (minimum 12 quarter hours of credit), day school enrolled, and making satisfactory progress toward a baccalaureate 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. The Team also provides direct instruction in physical education courses, and provides ongoing inservice 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 multi-purpose 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, (x6742). 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.

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 a year.

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.

Special Speakers Series

The NTID Special Speakers Series brings well-known individuals to RIT during each academic year. The purpose of this program is to give NTID students the opportunity to meet and learn from notable individuals.

During the past seven years, selected guest speakers have included Mikhail Baryshnikov, the world's foremost ballet dancer; Louise Fletcher, Academy Award-winning actress; Peter Jennings, senior editor and anchor for ABC's World News; and Simon Wiesenthal, Nazi hunter and 1983 Nobel Peace Prize nominee.

Each Special Speaker Series appearance and presentation has the potential for enriching and changing the lives of deaf students. In turn, these special events also can alter or change the perceptions of others about deaf people.

All Special Speaker Series presentations are interpreted for deaf participants.

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 related 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. NTID academic credit and RIT Complementary Education Certification for OEE experiences can be arranged.

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 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 resident 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)
(716) 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 upper-class 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

A wide range of services and programs are available to students through the Student Health Service. These include direct primary care/clinical services for diagnosis and treatment of health problems, health counseling; mental health services; referral for specialized consultation and/or care; and many ongoing health education programs.

Services are provided on a walk-in basis by a health care team of physicians, nurse practitioners, registered nurses, and a health education coordinator. An interpreter is available to assist as needed. Contracted specialists, including a gynecologist and a psychiatrist, also are available.

The Student Health Service is located on the second floor of the George Eastman Memorial Building and is open to students Monday through Friday from 8:30 a.m.-4 p.m. (Emergencies are seen until 4:30 p.m.) A nurse is on duty on the first floor of Nathaniel Rochester Hall (NRH) Monday through Friday, from 4:30-11 p.m. and Saturdays and Sundays from 10 a.m.-5:30 p.m. (Emergencies are seen until 6 p.m.)

Emergency transportation service is available seven days a week, 24 hours a day, through the RIT Ambulance Unit, which is staffed by student volunteers with emergency medical training. To obtain ambulance service, call 475-3333 (Voice); 475-6654 (TDD).

All medical information is confidential and will not be released without written student consent.

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 and kindergarten for children of students, faculty, and staff at RIT. It is located in Riverknoll housing next to the academic buildings. The Center offers all-day and half-day programs for children ages 2 years and 9 months through 5 years, and has an after-school care program for children ages 6 to 8. It is open during all four academic quarters. The summer quarter has a day camp format and is open to children ages 2 years and 9 months through 7 years. Some tuition aid is available.

Inquiries and application can be made by writing:

Rochester Institute of Technology
Horton Child Care Center
85 Kimball Drive
Rochester, New York 14623-0887

(716) 475-1244 (Voice)

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, faculty, or staff. 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: 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 ID Office, 475-2125 (Voice) or 475-6654 (TDD). All ID cards must be validated quarterly. Replacement of lost cards is $5.

Vehicle Registration
All vehicles operated on campus by students, faculty, and staff members must be registered with Campus Safety. There is no fee for this registration. 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 Dining Hall.

Vehicle registration stickers are color-coded according to residence status: Dorm/Riverknoll residents are issued one color sticker; Perkins, Colony Manor, and Racquet Club another color; and commuters a third. 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 September 1 through the following August 31, a change in residency or vehicle may require re-registration. Contact the Traffic Office at 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, i.e., 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, with fines of $5 and $10, depending on the violation. Towing of illegally parked vehicles from fire lanes and medical spaces or "booting" (immobilizing) of those chronic violators who are illegally parked are other 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
RIT has no religious affiliation, but it does recognize the importance of religion in the lives of students, faculty, staff, and all persons involved in higher education. Campus Ministries is a department within the Division of Student Affairs that assists members of the RIT community with their religious, ethical, and personal concerns.

Various faiths have assigned campus ministers at RIT to serve the needs of students, faculty, and staff of the respective faith persuasions in the areas of worship, social services, religious studies, personal counseling, and dialogue among students, faculty, and staff.

Catholic, Episcopal, Jewish, and Lutheran ministers are available full time in the department offices to discuss options for campus activities and to assist in developing programs of interest to the Institute. They are available for counseling and referral when needed.

The following denominations currently are represented in the department: Assembly of God, Baptist, Church of Jesus Christ of Latter Day Saints, Episcopal, Genesee Area Campus Ministries, Hillel/Jewish, Lutheran, Methodist, and Roman Catholic. All worship services and activities are interpreted for deaf persons. For more information, phone 475-2135 (Voice/TDD).

AFTER COLLEGE

Placement

Historically, 95 percent of RIT's deaf graduates entering the labor force have found jobs. Of the 1,988 NTID-sponsored students who graduated from 1969 through 1985,1,563 were available for employment and 1,490 were employed. RIT provides placement services through NTID for graduates who seek employment. The majority of the 425 graduates who were not seeking employment were continuing their education, and the majority of those were studying at RIT.

This high employment rate largely is the result of deaf RIT graduates having technical skills that benefit employers. Also, NTID's highly individualized placement program teaches students job search skills. Employment advisors help students develop strategies to find jobs, and help employers understand the programs of NTID and the other colleges of RIT as well as the graduates' technical and communication skills, and deafness in general.

Table I shows what has happened to these graduates. One thousand five hundred and sixty-three (1,563), or 79 percent, chose to seek employment. Four hundred and twenty-five (425), or 21 percent, did not enter the work force at graduation.

Table II shows the area of the economy where graduates have found jobs. Eighty (80) percent are employed in business and industry. Thirteen (13) percent of working graduates are employed by the government, and approximately seven percent have jobs in education.

As indicated in Table I, 425 NTID-sponsored graduates did not enter the work force when they graduated. Table III shows what these graduates are doing. Seventy-five (75) percent of the non-working graduates continued their education. Fifty-nine (59) percent of this group chose to continue their education in another college of RIT, while 41 percent continued their education at other schools. Students in this group continue their education in two ways. Some study for higher undergraduate degrees. Others change career plans and begin a new program of study. Table III also shows that six percent of the graduates have not entered the labor force because they are homemakers, and 15 percent are temporarily not looking for employment. Four percent of the graduates have chosen either not to seek employment or to continue their education on a long-term basis.

Status of Deaf RIT Graduates

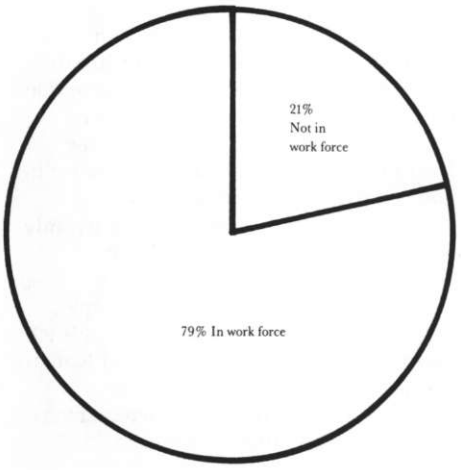


Table I

Graduates by Area of Employment

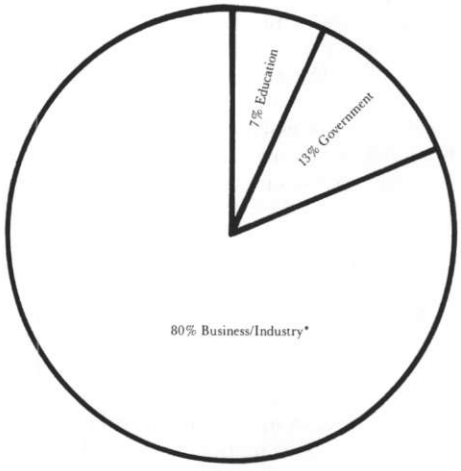


Table II

Graduates Not Entering the Labor Force

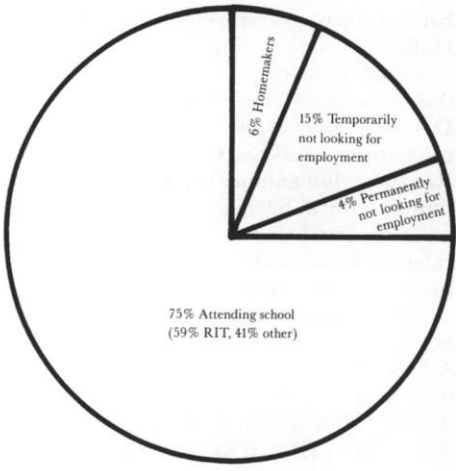


Table III

*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 Operator
Computer Program Designer
Computer Specialist
Cost Analyst
Data Transcriber
Designer
Die Maker Apprentice
Drafter
Electronic Technician
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:

AT&T: Indiana, Wisconsin, New Jersey
Beechcraft Corporation: Kansas
Bell Laboratories: Illinois, New Jersey
Bendix Corporation: Indiana
Boeing Aircraft Company: Washington
Boeing Vertol Company: Pennsylvania
Burroughs Corporation: Pennsylvania
Citibank: New York
Container Corporation of America: Illinois
Continental Bank: Illinois
Department of Health and Human Services: Washington, D.C.
Department of the Navy: Washington, D.C.
Digital Equipment: Massachusetts
Eastman Kodak Company: New York, Illinois, Texas
Emerson Electric: Missouri
Exxon Corporation: Texas
General Dynamics: California, Missouri
GTE Corporation: Connecticut
General Electric Corporation: Illinois, New York
Graphic World: Missouri
Hewlett-Packard: New Jersey, Massachusetts
Houston Gas Company: Texas
Hughes Aircraft: California
IBM: Vermont, Colorado, New York, Virginia, Texas, Maryland, Florida
Internal Revenue Service: Washington, D.C
Lawrence Livermore Laboratories: California
Litton Corporation: Missouri
Lockheed Corporation: California
McDonnell Douglas: California, Missouri
Mobil Corporation: New York
Naval Service Weapons Center: Maryland
Naval Shipyard: Pennsylvania
Northrop Corporation: California
Ohio Bell: Ohio
Peace Corps: Ecuador, Philippines
Pearle Vision: Michigan, Ohio, Pennsylvania, Washington
Pitney Bowes: Connecticut
Prudential Insurance: New Jersey, Florida
RCA Service Center: Georgia
Rockwell International: Pennsylvania
Seattle Arts Commission: Washington
Stone & Webster: Massachusetts
Sybron Corporation: New York
Tenneco: Texas, Virginia
Texas Instruments: Texas
Travelers Insurance: Connecticut
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, the Center 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.

Information Service
Current literature and media related to employment of deaf people are updated annually for the *NCED Bibliography.* This annotated reference is available through the RIT bookstore. In addition, direct applied research efforts are underway for future publications.

Alumni Programs

RIT has more than 1,800 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.

An Alumni Program Office was established in 1974 for deaf graduates, according to the RIT Alumni Association Constitution. The office's purpose is to meet the needs of deaf alumni, and is not intended to duplicate efforts of its parent organization.

The office was established to help provide benefits and opportunities for deaf alumni in employment and continuing education; to gather alumni feedback to help update NTID programs; and to help alumni develop pride in themselves.

The Alumni Program Office is one of two major resources for NTID alumni. The other is the Alumni Advisory Council, which consists of four elected deaf RIT graduates who advise an alumni specialist working closely with deaf alumni nationally.

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 Illinois; southern California; Missouri; New Jersey; southern Pennsylvania; Washington, D.C.; and New York.

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

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.

$$GPA = \frac{\text{total quality points earned}}{\text{total credit hours attempted}}$$

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 who entered the Institute in Fall 1978 or later 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; and
- shows the motivation, interest, and ability that is necessary to complete the program.

The student's major department will save a j 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 reflects all coursework completed at RIT applicable to graduation in a student's current academic program. The current academic program 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 course work 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.)

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 expects 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.

** 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*

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, staff, 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 responsibility.
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 an 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.

THE EIGHT OTHER COLLEGES OF RIT

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 Technology, Electrical Engineering Technology, Mechanical Engineering Technology, Manufacturing Engineering Technology, and Energy 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 comprises the departments of Accounting, Decision Sciences, Finance, Management, and Marketing; the Center for Retail Management; the Center for Management Development; and graduate programs.

The college is recognized for preparing graduates for the rapidly evolving world of business. Programs are carefully designed to prepare students for the challenges of innovation and adaptation that they will face in the field.

The College of Business offers undergraduate courses in accounting, business management, finance, information systems, marketing, personnel and human resource management, manufacturing and materials management, photographic marketing management, and retail management. The college also offers a master's degree in business administration (MBA).

The College of Business believes that to be well prepared for the business world, students need a broad educational background not only in business and management skills, but also in mathematics, science, the humanities, and the social sciences. With this foundation, they can 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.

In order to achieve these educational aims, the curriculum has four components: the business core, the major, liberal arts, and cooperative work experience. By building on the liberal arts and business core components, the major provides mastery of marketable skills that conceptually are grounded 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 student's last two years. This provides for a sufficient educational background before the student's first cooperative work experience and allows advance 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. The Center for Retail Management is a member of the American Collegiate Retailing Association.

College of Continuing Education

The College of Continuing Education provides students with an environment in which to learn while improving professional development and personal skills. It provides an alternative to full-time study through part-time study at night, on weekends, or during the day. Working closely with the other colleges of the Institute, flexible educational opportunities are developed for students.

Under the open admissions policy, students may take any course or pursue any degree for which they have sufficient background. Academic advisors are available throughout the year to answer questions, tailor programs to fit specific needs, and vary assignments to fit individual requirements.

College of Engineering

The College of Engineering offers five five-year cooperative programs leading to the bachelor of science degree with majors in electrical, computer, 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, to give students the opportunity for independent laboratory projects, and to 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, offered in conjunction with the College of Graphic Arts and Photography and the College of Science, emphasizes the photolithographic 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, painting, printmaking, medical illustration, packaging design, painting illustration, and printmaking-illustration.

Concentrations in the School for American Craftsmen are given in ceramics and ceramics 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, painting, printmaking, medical illustration, and packaging design and illustration. 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, as designers or technicians in industry, or as 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, to develop knowledge of process and command of skills, and to foster appreciation, not only of the crafts, but of the related arts. The program strives to inspire students to seek continual improvement though 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, 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 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 and television, photographic processing and finishing management, professional photographic illustration, and imaging and photographic technology. The school offers a master's degree in fine art photography, 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.

The school also houses the Munsell Color Science Laboratory, which is dedicated to a program of instruction and research and is an industrial liaison in color science and technology.

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 Television 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 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: printing, printing and applied computer science, printing systems and engineering, and newspaper production management. 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.

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 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. Students may choose from a broad spectrum of career goals as well as from a variety of graduate programs.

College of Science

The College of Science combines a foundation in facts and theory with practical 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, biotechnology, chemistry, computational mathematics, biomedical computing, medical technology, nuclear medicine technology, ultrasound technology, and physics. 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.

Students who major in biology, chemistry, mathematics and statistics, and physics and who are interested in high school teaching may take part in a secondary teacher preparation program offered jointly by RIT's College of Science and the University of Rochester's Graduate School of Education and Human Development.

Graduates of the Biology major can become biological research specialists, studying cancer, heart disease, pharmacology, toxicology, or another area; or they can become microbiology research assistants, studying bacteria and viruses.

The bachelor's degree program in Biotechnology is one of only a few in the nation. Biotechnology utilizes living organisms or their components in applied research and industrial processes. Genetic engineering, which involves the techniques of biotechnology, has the potential of solving fundamental agricultural, food production, pharmaceutical, chemical, and energy needs.

The bachelor of science degree program in Chemistry prepares graduates for careers in processing, research, supervision of technical projects, and management. The program has been approved by the Committee on Professional Training of the American Chemical Society.

The Applied Mathematics Program prepares graduates as applied mathematicians and analysts in high-technology industry and federal agencies, as well as in medical research units.

The Applied Statistics Program prepares graduates to help solve real-world problems in business, industry, and government. A statistician determines what data are pertinent to a problem, how much data to collect, how to collect it, and how to analyze and draw conclusions from the data.

Graduates of the Computational Mathematics Program may pursue careers in applied mathematics and computers. This program emphasizes use of the computer as a tool to solve physical problems that have been mathematically modeled.

The Biomedical Computing Program provides basic training in science and the biomedical sciences and specialized training in computer science. Students develop the ability to communicate with medical personnel and to use computers to solve clinical problems, laboratory analyses, instrumentation automation, and medical research.

The Medical Technology Program prepares graduates to perform medical laboratory analyses in the fields of hematology, microbiology, clinical chemistry, immunohematology, and urinalysis.

Nuclear Medicine Technology involves the application of radioactive materials to the diagnosis and treatment of disease. The nuclear medicine technologist's work involves analyzing blood and urine specimens as well as evaluating organ function through imaging.

Ultrasound Technology is a new imaging technique that uses non-ionizing radiation-high frequency sound waves, instead of X-rays, in the diagnosis of disease and in the study of the developing fetus. The Ultrasound Technology Program prepares graduates for careers as ultrasound technologists, with specialties in obstetrical-gynecological and abdominal procedures; and for administrative, staff, or research positions in hospitals, doctors' offices, and clinics.

The Physics Program offers opportunities for experience in optics, laser physics, thin films, and electronics. A major in physics can lead to a career not only in physics, but also in areas such as computer science, business, or law.

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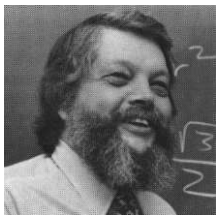

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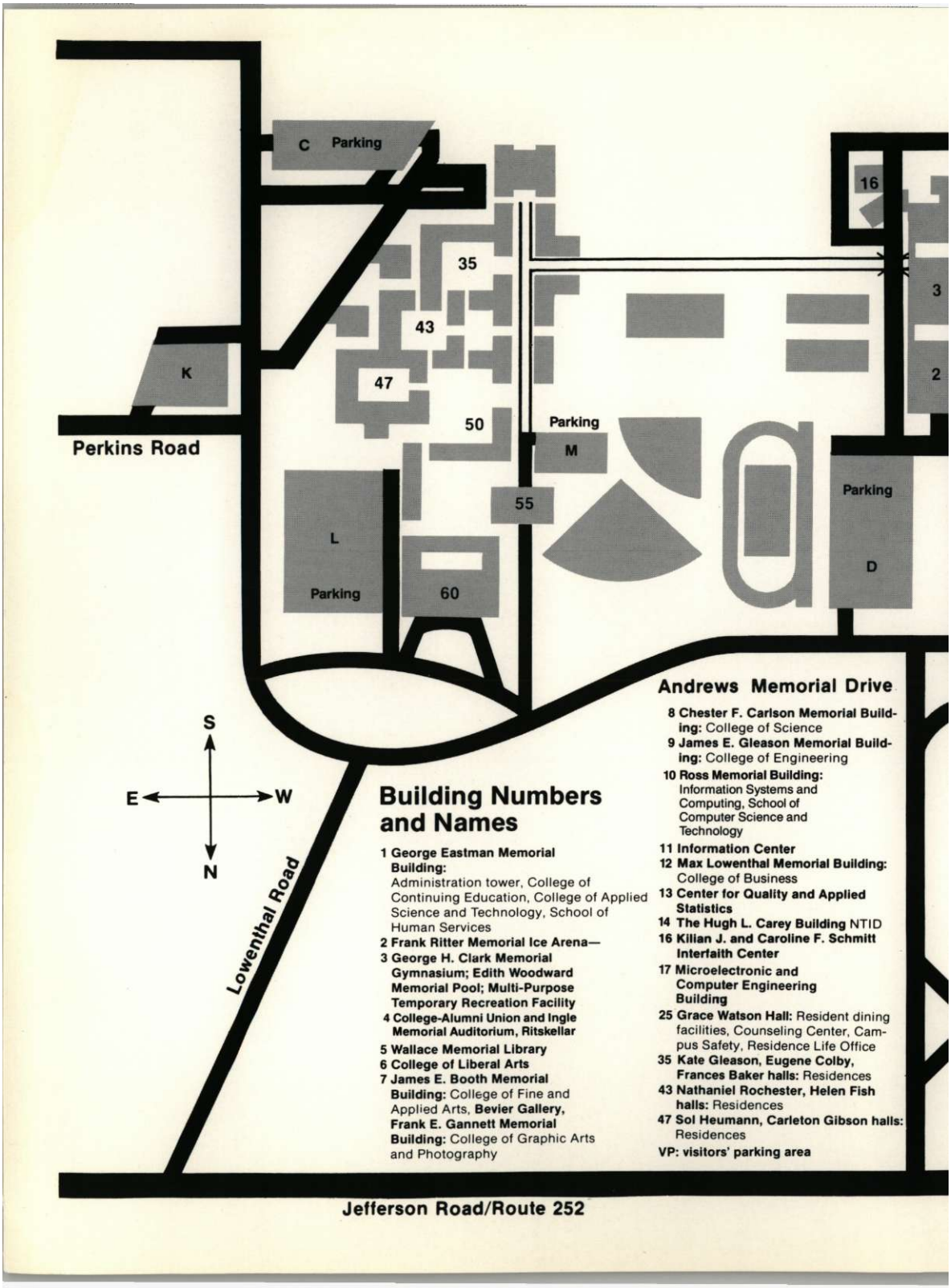
NOTES



Building Numbers and Names

1 George Eastman Memorial Building: Administration tower, College of Continuing Education, College of Applied Science and Technology, School of Human Services

2 Frank Ritter Memorial Ice Arena—

3 George H. Clark Memorial Gymnasium; Edith Woodward Memorial Pool; Multi-Purpose Temporary Recreation Facility

4 College-Alumni Union and Ingle Memorial Auditorium, Ritskellar

5 Wallace Memorial Library

6 College of Liberal Arts

7 James E. Booth Memorial Building: College of Fine and Applied Arts, **Bevier Gallery, 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

10 Ross Memorial Building: Information Systems and Computing, School of Computer Science and Technology

11 Information Center

12 Max Lowenthal Memorial Building: College of Business

13 Center for Quality and Applied Statistics

14 The Hugh L. Carey Building NTID

16 Kilian J. and Caroline F. Schmitt Interfaith Center

17 Microelectronic and Computer Engineering Building

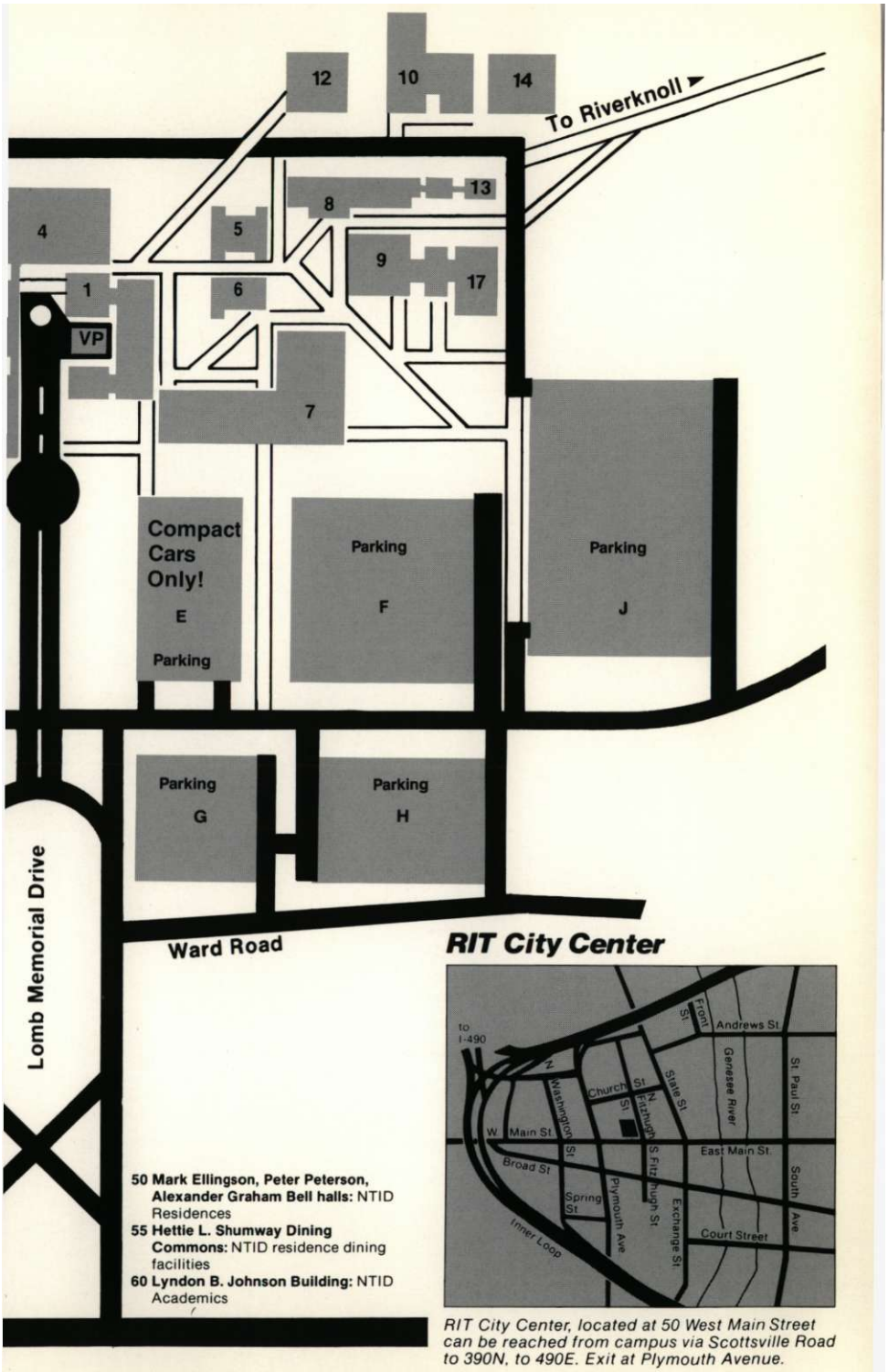
25 Grace Watson Hall: Resident dining facilities, Counseling Center, Campus Safety, Residence Life Office

35 Kate Gleason, Eugene Colby, Frances Baker halls: Residences

43 Nathaniel Rochester, Helen Fish halls: Residences

47 Sol Heumann, Carleton Gibson halls: Residences

VP: visitors' parking area



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

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