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Master of Science in Computing Technology in Education 1996

Nova Southeastern University

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NOVA SOUTHEASTERN UNIVERSITY
The School of Computer and Information Sciences

Master of Science
in
Computing Technology in Education

The School of Computer and Information Sciences (SCIS)
Nova Southeastern University
3100 SW 9th Avenue
Fort Lauderdale, Florida 33315-3025

Notice of Nondiscrimination

Nova Southeastern University admits students of any race, color, sex, age, nondisqualifying disability, religion or creed, or national, or ethnic origin to all rights, privileges, programs, and activities generally accorded or made available to students at the school, and does not discriminate in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs.

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number (404) 679-4501) to award bachelor's, master's, educational specialist, and doctoral degrees.

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E-mail: scisinfo@scis.nova.edu
Web Site: <http://www.scis.nova.edu>

November 10, 1996



**ADDENDUM TO GRADUATE CATALOG:
MASTER'S PROGRAMS**

Effective July 1, 1997, Master's tuition and fees are as follows:

Tuition	\$350 per credit hour
Application Fee	\$50 non-refundable
Orientation Fee	\$50 non-refundable
Registration Fee	\$30 non-refundable
Late Registration	\$75 non-refundable
Reinstatement Fee	\$50 non-refundable
Graduation Fee	\$65
Finance Charge for Installment Payment ...	\$50
Continuing Services	\$160 (leave of absence with online privileges per term)

In Brief: The School of Computer and Information Sciences and Nova Southeastern University

A major force in educational innovation, the School of Computer and Information Sciences is distinguished by its ability to offer both traditional and nontraditional choices in educational programs and formats that enable professionals to pursue advanced degrees without career interruption. Programs are timely yet provide the student with an enduring foundation for professional growth. The School has over 800 graduate students from across the U.S. and other countries, and has been awarding graduate degrees since 1984.

Master's degree programs, which are offered on campus or online, require a minimum of 36 credits of coursework (thesis optional) and may be completed in 18 months. M.S. programs in computer science, computer information systems, and management information systems may be taken in the evening on the campus in Ft. Lauderdale. Each on-campus master's course meets once a week for three hours. M.S. programs in computer science, computer information systems, management information systems, and computing technology in education may also be taken online following a weekend orientation on the campus. Master's terms start in September, January, April, and July. To earn the degree in 18 months, the student must enroll in two courses per term. Terms are 12 weeks long and there are four terms each year. Combined master's and doctoral degree programs are available.

The School offers the Ph.D. in computer information systems, computer science, information systems, and information science, and the Ph.D. or Ed.D. in computing technology in education. Depending on the program, doctoral students may take one of two formats: *cluster* or *institute*. Cluster students attend four cluster meetings per year, held quarterly over an extended weekend (Friday, Saturday, and half-day Sunday) at the University. Cluster terms start in March and September. Cluster weekends take place in March, June, September, and December. Institute students attend week-long institutes in January and July at the University at the start of each six-month term. Clusters and institutes bring together students and faculty for participation in courses, workshops, seminars, and dissertation counseling. Between meetings, students complete assignments and research papers/projects, and participate in online activities. All of the School's doctoral programs are offered in cluster format. Doctoral programs in information systems, information science and computing technology in education are also offered in institute format. Doctoral programs require 64 or 68 credit-hours beyond the master's degree for graduation.

The School of Computer and Information Sciences pioneered online graduate education and has been offering online programs and programs with an online component since 1985. Online activities require use of a computer and modem from home, office, or on the road. Students may participate in online activities or online courses from anywhere in the U.S. or outside the U.S. via the Internet. Online interactive learning methods, used throughout the instructional sequence, facilitate frequent interaction with faculty, classmates, and colleagues. Online instruction and interaction include a wide variety of sophisticated techniques such as Nova's real-time electronic classroom (ECR), electronic submission of assignments for review by faculty, electronic mail, interactive bulletin boards, the electronic library, NSU's distance library services, Lynx-based hypertext menuing systems and World Wide Web pages to access course material, announcements, etc., and use of the Internet and the World Wide Web for research.

Nova Southeastern University is the 47th largest independent academic institution in the United States and the largest in Florida. It has a 225-acre campus in Fort Lauderdale, Florida with over 7,000 students on campus and 8,500 students in programs elsewhere in Florida, in 24 other states, and in several foreign countries. Other schools of NSU include the undergraduate college and graduate schools of business, psychology, education, law, health professions, oceanography, and social and systemic studies. More than 45,000 NSU graduates contribute with distinction to their businesses and professions worldwide. In addition, NSU's University School, a demonstration school, serves children from preschool through high school. NSU has enjoyed full accreditation by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS) since 1971. SACS is recognized by the U.S. Department of Education as the regional accrediting body for this region of the United States.

The success of NSU's programs is reflected in the accomplishments of its graduates among whom are:

- 37 college presidents and chancellors
- 100 college vice presidents, provosts, deans, and department chairs
- 65 school superintendents in 16 states including nine of the nation's largest school districts
- hundreds of college and university faculty members nationwide
- over 100 high-ranking U.S. military officers, including admirals and generals; business presidents, vice presidents, executives, middle managers, and researchers from companies such as American Express, Ameri-First Bank, AT&T, Bellcore, General Electric, GTE, Harris Corporation, IBM, Lenox China, Motorola, Racal Datacom, Southern Bell, Westinghouse, and William Penn Bank

Degrees and Programs of The School of Computer and Information Sciences

Master of Science (M.S.)

Computer Information Systems
Computer Science
Computing Technology in Education
Management Information Systems

Doctor of Philosophy (Ph.D.)

Computer Information Systems
Computer Science
Computing Technology in Education
Information Science
Information Systems

Doctor of Education (Ed.D.)

Computing Technology in Education

Graduate Certificate Program in Information Resources Management (IRM)

Florida Teacher Certification/Recertification Courses in Computer Science

Application for Admission to the M.S. Program in Computing Technology in Education

Applications should be submitted at least three months before the anticipated starting term. Students who wish to matriculate in a shorter amount of time must contact the SCIS admissions office by telephone to begin the process. Copies of transcripts are acceptable for unofficial early review. Students applying late may be granted provisional acceptance pending completion of the application process. To obtain information or application forms, contact:

The School of Computer and Information Sciences
Nova Southeastern University
3100 S.W. 9th Avenue
Fort Lauderdale, FL 33315
800-986-2247, ext. 7352 or (954) 475-7352
E-mail: scisinfo@scis.nova.edu
Web Site: <http://www.scis.nova.edu>

Applicants must meet the specified minimum requirements and file the requested documents:

1. An earned bachelor's degree in a related field from a regionally accredited college or university.
2. Experience using computer applications.
3. Official transcripts of all graduate and undergraduate education showing an undergraduate G.P.A. of at least 2.5 and a G.P.A. of 3.0 in a major field.

4. A completed application and application fee.
5. Three letters of recommendation.
6. Score report of the Graduate Record Examination (G.R.E.) or a comprehensive portfolio of appropriate work experience and credentials.
7. Satisfactory English proficiency is a prerequisite for graduate study at the School of Computer and Information Sciences. Applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL). A minimum TOEFL score of 550 is required for admission. (The score must be no more than two years old.) Test results must be sent directly to The School of Computer and Information Sciences from TOEFL/TSE Services, P.O. Box 6151, Princeton, NJ, 08541-7100, USA; phone: (609) 771-7100; Fax: (609) 771-7500.
8. Students on J-1 visas are required to secure an affidavit of support, from an agency or government who will be the financial sponsor, stating that they have a sufficient amount of money to support themselves for the duration of their study. Students of F-1 visas need an affidavit of support and a notarized/attested financial statement proving that they have a sufficient amount of money to support themselves for one academic year (generally nine months). See the SCIS Catalog for additional information regarding international student requirements.

Provisional or Conditional Admission

A degree-seeking applicant who has missing documents but appears to be acceptable based on documents received by SCIS may be offered *provisional admission*. Official admission will be granted upon receipt and acceptability of the remaining required documents. Examples of missing documents are an official transcript and a letter of recommendation. An applicant who has not met all admission requirements may be given *conditional admission* if sufficient evidence exists to suggest the ability to perform successfully at the graduate level. A student with *conditional* status must remove stated deficiencies before advancement to degree status.

Transfer Credit Policy

Up to six graduate credits may be transferred from a regionally accredited institution. Courses proposed for transfer must have received grades of at least "B". Students must request approval of transfer credits in writing at the time of application. Copies of catalog course descriptions or course syllabi are required to process requests for transfer credits.

Orientation and Advisement Program

New students must attend an orientation weekend on the campus in Ft. Lauderdale which includes an introduction to the program office staff and faculty, instruction in online computer requirements and connections, and training in the use of UNIX and the Internet. The orientation also includes online library services and a tour of the campus. Advisement is conducted regularly by the student's program office with the assistance of the faculty.

Financial Aid

The Office of Student Financial Aid administers the University's financial aid programs of grants, loans, scholarships, and student employment, and provides professional financial advisors to help students plan for the most efficient use of their financial resources for education. Underlying the awarding of financial assistance is the philosophy that students have a responsibility for contributing from earnings and savings toward their education. Financial aid resources serve to supplement the student's financial resources.

In order to qualify for financial aid, a student must be admitted into a University program, must be a U.S. citizen or a U.S. immigrant, and must plan on registering for a minimum of six credit hours per term. **A prospective student who requires financial assistance should apply for financial aid**

while a candidate for admission. To continue financial aid, at a minimum, enrolled students must demonstrate satisfactory academic progress toward a stated educational objective in accordance with the University's policy on satisfactory progress for financial aid recipients. For financial aid information or application forms, call (954) 452-3380 or 800-522-3243.

Tuition Payment Policy

Options available for payment of tuition are: full payment by student, installment payment by student, direct payment by student's employer, tuition reimbursement by employer, or financial aid award.

1. *Full Payment by the Student.* Full payment of tuition and fees is to be made at the time of registration. Registration after the registration period, when permitted, will involve payment of a late registration fee.

2. *Installment Payment by the Student.* The student may elect an installment payment plan which requires three payments spread over the first 90 days of the term. The first payment, due at registration, includes all fees, 50% of the tuition, plus a \$50 deferment fee. The second payment, due sixty days from the beginning of the term, shall equal 25% of the tuition. The third payment, due ninety days from the beginning of the term, shall equal 25% of the tuition. The first payment must be made by check, money order, or credit card. At the time of registration, the student must submit post-dated checks or credit card authorizations for the second and third installments.

3. *Direct Payment by the Student's Employer.* If a letter of commitment, or a voucher from the student's employer accompanies the registration form, then the student will not be required to make a payment at registration time. The letter of commitment, or the voucher, must indicate that the employer will remit full payment of tuition and fees to Nova Southeastern University upon receipt of the invoice from the University's Accounts Receivable Office.

4. *Tuition Reimbursement by the Student's Employer.* If the student submits a letter from the employer at registration time that establishes eligibility for tuition reimbursement, the student may choose a two-payment plan. The first payment, due at registration, shall include all fees, 50% of the tuition, plus a \$50 deferment fee. The second payment, due five weeks after the end of the term, shall equal 50% of the tuition. To secure this plan, the student must provide, at registration, a post-dated check or credit card authorization for the deferred portion.

5. *Financial Aid Award.* If a student has received an official financial aid award letter and all documents have been completed, then the student may register without payment. If a student's application for financial aid is still being processed at the time of registration, then the student must register using the installment payment plan described in 2. above.

Tuition and fees may be satisfied with payment by check, money order, credit card, or official financial aid award letter with associated financial aid documentation. No cash will be accepted as payment for tuition and fees unless paid at the Registrar's office on the main campus. All post-dated checks or credit card authorizations will be held by the University for processing until the due date specified in this policy.

This policy is subject to change at any time at the discretion of the administration of Nova Southeastern University.

Online Computing Resources

SCIS students are given computer accounts and are encouraged to use NSU's computing resources. The wealth of information and tools available greatly enhance the learning process. Students may gain access to these resources from computer laboratories on the campus and from off-campus locations such as homes, offices, or on-the-road while traveling using either an IBM-compatible PC or an Apple/Macintosh computer and a modem. Students must have remote access in order to participate in the School's programs. All students will be given training and counseling on computer requirements and online access.

Several of the School's academic programs have online components that involve the use of online interactive learning methods. Online components include a range of activities that facilitate frequent interaction with faculty, classmates, and colleagues.

Online instruction and interaction include a wide variety of sophisticated techniques such as Nova's real-time electronic classroom (ECR), electronic submission of assignments for review by faculty, electronic mail, interactive bulletin boards, the electronic library, NSU's distance library services, Lynx-based hypertext menuing systems and World Wide Web pages to access course material, announcements, etc., and use of the Internet and the World Wide Web for research.

Some courses/programs require Internet access and use of a graphical browser (specific requirements may be obtained from the program office). Students must be registered in order to use the University's computing facilities.

Library Services

The Einstein Library, on the main campus, houses the University's major collection of books and journals in the humanities and sciences. The library can be searched through the computer catalog which is considerably more sophisticated than the traditional card catalog. Also, more than 25 specialized indexes in CD-ROM format are available as well as dial-up access to the online catalog. The library is a member of SEFLIN and FLIN, cooperative library networks that speed access to materials from other institutions throughout Florida. The Einstein Library has also been named a cooperating library of the Foundation Center in New York, giving students access to a special collection for grants and foundation research.

NSU's Distance Library Services (DLS) department provides off-campus students with most of the library services available to on-campus students. Students may order books and reprints of papers, search catalogs, search indexes, and speak directly with a reference librarian. DLS can be accessed in many different ways. Materials may be ordered by e-mail, toll-free telephone, FAX, or regular mail. A voice mail answering machine is available 24 hours a day to take requests when the office is closed. Many services may be obtained by accessing the DLS's online Electronic Library including access to the library's catalog and periodical holdings, holdings of other libraries, and online databases/information services. The online student will be able to request materials and gain access to a librarian. DLS provides students with books and photocopies of periodical articles via U.S. mail. All materials mailed by DLS are sent by first-class mail. When books are borrowed, the student will have to pay a small charge for third-class postage to return the books. Books are loaned for one month. Periodical copies or ERIC documents need not be returned.

Also, for distance students, the University has made possible the use of many local libraries. The SCIS Admissions Office provides information to new students about libraries in their geographical area that are included in this arrangement and the procedures to follow.

Program for the Master of Science in Computing Technology in Education

This program offers a course of study leading to the Master of Science (M.S.) in Computing Technology in Education. It is designed to meet the needs of working professionals such as teachers, educational administrators, and trainers working in either the public or the private sector. The program blends educational theory and practice into a learning experience that develops skills applicable to complex real-world problems. It will enhance knowledge of how computers, software, and other forms of high technology can be used to improve learning outcomes. The program's online format offers professionals the opportunity to earn the master's degree in 18 months while continuing to work in their current positions.

Courses in the program have been approved for teacher certification in computer science (grades K - 12) or recertification by Florida's Bureau of Teacher Certification. They may be taken as part of the degree program or independently. (See the separate section on recertification.)

Official information about programs and policies are contained in the *Graduate Catalog of The School of Computer and Information Sciences*.

Term Dates

Terms in the master's program are 12 weeks in duration. There are four terms per year. Terms start in September, January, April, and July.

Combined Master's and Doctoral Degree Option

This option provides the opportunity to earn the Ph.D. or Ed.D. degree in computing technology in education in a shorter time. Students must first be accepted into the master's program. Once eight courses (24 credits) are completed in the master's program with a GPA of at least 3.25, the student may apply for acceptance into the doctoral program. If accepted, after completing 12 credits in the doctoral program, the student is awarded the master of science degree. These 12 credits also count toward the Ph.D. or Ed.D.

Thesis and Non-Thesis Options

The two options leading to the master's degree are the thesis option and the non-thesis option. For the thesis option, 30 credit hours of course work and six credit hours for the thesis are required. For the non-thesis option, 36 credit hours of course work are required.

Program Format

This 36-credit-hour program is designed so that it may be completed in 18 months without interrupting the student's professional career. To complete the program in 18 months, the student must enroll in two courses per term. Terms are 12 weeks in duration, and four terms are offered each year. Terms start in September, January, April, and July.

The program is offered in an online format. Online courses are taken via computer (IBM-compatible PC or Apple Macintosh) and modem from home, office, or on-the-road while traveling. The student may participate in courses from anywhere in the United States or outside the U.S. via the Internet.

The format involves the use of online interactive learning methods throughout the instructional sequence. Courses involve a range of online activities that facilitate frequent interaction with faculty, classmates, and colleagues. Online instruction and interaction include a wide variety of sophisticated techniques such as Nova's real-time electronic classroom (ECR), electronic submission of assignments for review by faculty, electronic mail, interactive bulletin boards, the electronic library, NSU's distance library services, Lynx-based hypertext menuing systems and World Wide Web pages to access course material, announcements, etc., and use of the Internet and the World Wide Web for research.

For additional information regarding online computing resources/connections and NSU's distance library services, please refer to page 6 of this brochure.

A student wishing to take a course as an independent study must first appeal to the program office. If the program office agrees, then it will attempt to obtain the agreement of a faculty member to direct the independent study and will then inform the student of its decision.

A student wishing to cross-register for a course in another SCIS master's degree curriculum must obtain the approval of his or her program office.

Grade Requirements and Time Limitations

Students must maintain a cumulative grade point average of at least 3.0 for the duration of their master's degree program. Students in a master's degree program are expected to complete requirements for the degree within five years from the date of their first registration.

Tuition and Fees (Rates effective starting July 1, 1996)

Tuition	\$330 per credit hour
Application Fee.....	\$40 non-refundable
Orientation Fee.....	\$50 non-refundable
Registration Fee	\$30 non-refundable
Late Registration Fee	\$75 non-refundable
Reinstatement Fee.....	\$50 non-refundable
Graduation Fee.....	\$65
Finance Charge for Installment Payment.....	\$50
Continuing Services.....	\$160 (leave of absence with online privileges per term)

The Curriculum for the M.S. In Computing Technology in Education

The 12-course curriculum is listed below. If the thesis option is elected, then two of these courses will not be required. Plans for the thesis option must be made with the program office.

- MCTE 615 **The Internet**
- MCTE 625 **Survey of Courseware**
- MCTE 626 **Authoring Systems Design**
- MCTE 630 **Database Systems**
- MCTE 645 **Spreadsheet, Database, and Graphing Applications**
- MCTE 650 **Computer Networks**
- MCTE 660 **Multimedia and Emerging Technologies**
- MCTE 661 **Advanced Instructional Delivery Systems**
- MCTE 670 **Learning Theory and Computer Applications**
- MCTE 680 **Human-Computer Interaction**
- MCTE 690 **Research Methodology**
- MCTE 691 **Master's Project in Computing Technology in Education**

Additional Information

For additional information on programs and policies, consult the 1996–1997 SCIS Graduate Catalog.

Course Descriptions for the M.S. in Computing Technology in Education

MCTE 615 The Internet (3 credits)

The Internet and other online information systems associated with the evolving information superhighway will soon have a dominant role in how information is organized and retrieved. This course emphasizes the development of effective online skills so that bibliographic, full-text, graphical, and numerical information can be accessed in an efficient manner. It also addresses skills and approaches required to teach the Internet.

MCTE 625 Survey of Courseware (3 credits)

State-of-the-art, content-rich courseware, across the grades, subjects, and platforms, will be explored and evaluated for educational value. Methods for integrating these programs into the curriculum will be discussed. Tutorials, drill and practice, instructional games, simulations, tests, and reference programs are included.

MCTE 626 Authoring Systems Design (3 credits)

Functionality and characteristics of PC and Macintosh authoring systems, frame-based, multimedia, and hypertext are explored in this course. Instructional systems design methodology in conjunction with authoring tools is examined and critiqued.

MCTE 630 Database Systems (3 credits)

This course covers fundamentals of database architecture, database management systems, and database systems. Principles and methodologies of database design, and techniques for database application development.

MCTE 645 Spreadsheet, Database, and Graphing Applications (3 credits)

This course provides experience with the multiple roles of electronic spreadsheets, databases, and graphs in teaching, learning, and the management of instruction. Using an integrated software package, these tools will be used to develop and reinforce skills in organizing, problem solving, generalizing, predicting, decision-making, and hypothesizing.

MCTE 650 Computer Networks (3 credits)

This course is focused on the following areas: fundamental concepts of computer network architecture and topologies, open system interconnection models and standards, analysis of transport protocol specification, network program interface, network management, and emerging computer network applications. An area that is covered in detail includes network standards that determine how data are transferred: Ethernet, token ring, and Fiber Distributed Data Interface. Attention will also be directed toward issues affecting operating peripherals, including CD-ROM drives and printers.

MCTE 660 Multimedia and Emerging Technologies (3 credits)

Recent advances and future trends in learning technology and educational computing are examined. Innovations in teacher and student workstation technology are reviewed. Emphasis is placed on an examination of audio/video and computer-based tools currently in use in schools and training centers. Special attention is given to CD-ROM technology and laser disk technology. Guidelines for selection and implementation of multimedia projects are presented.

MCTE 661 Advanced Instructional Delivery Systems (3 credits)

An investigation of the expansion and applications of instructional delivery systems such as electronic delivery via telecommunications (e-mail, electronic bulletin boards, conferencing systems), electronic classrooms or electronic whiteboards, audioconferencing, compressed video, World Wide Web (including HTML interfaces), group support systems, computer-aided instruction, broadcast via satellite, and multimedia. Comparative evaluation of instructional delivery systems.

MCTE 670 Learning Theory and Computer Applications (3 credits)

Students will explore learning theories and how learning is achieved when instruction is presented from a computer-based paradigm. The course will emphasize the computer as a learning device that can be used in an effective manner to model learning theories associated with behaviorism, cognitivism, and human information processing.

MCTE 680 Human-Computer Interaction (3 credits)

Explores the emerging field of human-computer interaction. Emphasis is placed on how software design practices are integrated with human factors principles and methods. Other issues covered include user experience levels, interaction styles, usability engineering, interaction devices and strategies, user-centered design, human information processing, social aspects of computing, and computer-supported cooperative work.

MCTE 690 Research Methodology (3 credits)

This course is an introduction to research, statistical analysis and decision-making. Close attention is paid to data types, data contributions, the identification of variables and descriptive data presentation techniques. Students are introduced to both parametric and non-parametric data analysis procedures including independent and dependent sample t-tests, chi-square analysis and simple analysis of variance. Hypothesis testing and the use of statistical software packages are emphasized.

MCTE 691 Master's Project in Computing Technology in Education (3 credits)

This course is the capstone of the program. Each student will develop a comprehensive technology-based project using an environment of choice. Its purpose is to allow students the opportunity to further pursue topics or areas in which they have considerable interest. Each project will be closely mentored by faculty.

Faculty and Staff of The School of Computer and Information Sciences

The Faculty

Gertrude W. Abramson, Ed.D., Columbia University. Professor. Computer education, hypermedia/multimedia, authoring systems, courseware design, distance learning.

W. Shane Bruce, Ph.D., Nova Southeastern University. Assistant Professor. Artificial intelligence and machine learning, genetic algorithms, operating systems.

Maxine S. Cohen, Ph.D., State University of New York. Assistant Professor. Human-computer interaction, usability engineering, database systems, computer science education.

Laurie P. Dringus, Ph.D., Nova Southeastern University. Associate Professor. Human-computer interaction, group support systems, learning theory, distance education.

George K. Fornshell, Ph.D., Nova Southeastern University. Associate Professor. Instructional systems development, multimedia, authoring systems, human factors, distance education.

S. Rollins Guild, Ph.D., Nova Southeastern University. Assistant Professor. Mathematical modeling, computer graphics, programming languages, artificial intelligence.

Margaret Hutto, M.A., Columbia University; M.S. Pace University. Instructor. Structured programming, artificial intelligence, Cobol, modeling and simulation.

Michael J. Laszlo, Ph.D., Princeton University. Associate Professor. Data structures and algorithms, software engineering, programming, computer graphics.

Jacques Levin, Ph.D., University of Grenoble. Professor. Database management, modeling, distance education, decision support systems, numerical analysis.

Edward Lieblein, Ph.D., University of Pennsylvania. Professor and Dean. Software engineering, object-oriented design, programming languages, automata theory.

Marlyn Kemper Littman, Ph.D., Nova Southeastern University. Professor. Computer networks, broadband communications, multimedia, telecommunications, emerging technologies.

Frank Mitropoulos, M.S., Nova Southeastern University. Instructor. Programming languages, data structures, software engineering, object-oriented design, C, C++.

Sumitra Mukherjee, Ph.D., Carnegie Mellon University. Assistant Professor; Database, information systems, network security, decision support systems, artificial intelligence, telecommunications.

Raul Salazar, Ph.D., Nova Southeastern University. Assistant Professor. Multimedia, computer networks, programming languages, computer systems, computer graphics.

John Scigliano, Ed.D., University of Florida. Professor. Online information systems, information systems management, distance education.

Junping Sun, Ph.D., Wayne State University. Assistant Professor. Database management systems, object-oriented database systems, artificial neural networks.

Raisa Szabo, M.S., Budapest Technical Institute. Instructor. Computer architecture, artificial intelligence and neural networks, robotics and automated systems, operations research, concurrent languages.

Steven R. Terrell, Ed.D., Florida International University. Associate Professor. Research methodology and statistics, learning theory, distance education, computer-managed instruction.

The Administrative and Technical Staff

Jan Bourne, Advisor, Undergraduate and Master's Programs.

Bonnie Bowers, Assistant to the Dean and SCIS Operations Manager.

Sonya Brown, Receptionist.

Sheree-Ann Crichlow, Advisor, Undergraduate and Master's Programs.

Josette Davis, Administrative Secretary, Undergraduate and Master's Programs.

Barbara J. Edge, Assistant Director, CS/CIS Doctoral Programs; SCIS Budget Manager.

Ted Flynn, Coordinator, Network and Software Services.

George Gabb, Director, Undergraduate and Master's Programs.

Elizabeth Gawelek, Program Representative.

Linda P. Gordon, Coordinator, Admissions.

Elizabeth Gutierrez, Clerical Assistant, Undergraduate and Master's Programs.

Kimberly Jaggears, Clerical Assistant, Marketing.

Janet King-Henry, Coordinator, Online Doctoral Programs.

Angela Kowalski, Administrative Assistant, Online Doctoral Programs.

Rose Lemos, Program Representative.

Edward Lieblein, Dean.

Frank Mitropoulos, Director of Computing.

L. Jonathan Peeler, Program Representative.

Kevin Richardson, Computing Technology Assistant.

Bellarmin Selvaraj, Director, Research and Evaluation.

Maya Semaan, Assistant Director, Online Doctoral Programs.

Russell Splain, Coordinator, Network and Software Services.

Carol Stern, Administrative Assistant, CS/CIS Doctoral Programs.

Raquel Thorpe, Administrative Assistant, Marketing.

Elizabeth Vayda, Coordinator, CS/CIS Doctoral Programs and SCIS Budgets.

