1982

Bachelor Degree Programs: Computer Science & Computer Systems 1982-1983

Nova Southeastern University

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Bachelor's Degree Programs in

- computer science
- computer systems

Nova University
CENTER FOR SCIENCE AND ENGINEERING

Nova University is accredited by the Southern Association of Colleges and Schools and admits students of any race, color, and national or ethnic origin.
A bachelor’s program in computer science with 3 options

The Majors

1. Computer Science—designed for those who wish to prepare for a career in the technical end of computers. Courses in hardware function, design, and application are coupled with programming and language courses to give the student a sound basis in computer science.

2. Computer Systems—designed for those students who wish to combine their knowledge of business with an applications approach to computer science. In addition to learning computer function, language, and programming, students will pursue classes which focus on the use of computers in the business environment.

3. Computer Systems/Technical Communication—combines the computer systems program with courses in technical communication to provide a sound program in both areas.

Opportunities for hands-on operation of computers are offered through the microcomputer lab. Knowledge of the use of large systems is developed through applications on the Computer Center's main frame. The 2nd bachelor's option allows the student who already has a degree in another area, such as business, to earn a bachelor's degree in computer science.
## COMPUTER SCIENCE REQUIRED COURSES

### GENERAL STUDIES
- Communications (6 cr.)
- Humanities (6 cr.)
- Social Science/Behavioral Science (12 cr.)

### MATHEMATICS
- MAT-150 College Mathematics
- MAT-210 Calculus I

### COMPUTER SCIENCE
- CS-170 Computer Programming I
- CS-200 Computer Programming II
- CS-210 Fortran
- CS-220 Business Oriented Language (COBOL)
- CS-320 Organization of Programming Languages
- CS-330 Structured Programming (PASCAL)
- CS-335 Assemblers & Assembly Language Programming
- CS-340 Data Structures
- CS-370 Software Design
- CS-460 System Programming

### COMPUTER SCIENCE OPTION

#### PHYSICAL SCIENCE
- PHY-140 Physics I
- PHY-150 Physics II
- PHY-160 Physics III
- PHY-212 Science of Matter (or a course in general chemistry)

#### MATHEMATICS
- MAT-220 Calculus II
- MAT-360 Matrices & Statistics
- MAT-420 Linear Algebra
- MAT-440 Numerical Analysis
- MAT-450 Probability & Statistics

#### COMPUTER SCIENCE
- CS-160 Fundamentals of Logic Design
- CS-240 Digital Design
- CS-350 Computer Circuit Design
- CS-360 Computer Architecture
- CS-410 System Design & Analysis
- bCS-420 Operating System Concepts
- bCS-450 Data Base Management Systems Design
- bCS-480 Introduction to Compilers & Interpreters

#### ELECTRONICS
- EE-210 Networks I
- EE-330 Electronics I
- Electives (12 cr.)

### COMPUTER SYSTEMS OPTION

#### PHYSICAL SCIENCE
- Physics or Life Science (9 cr.)

#### MATHEMATICS
- MAT-450 Data Base Management Systems Design
- aCS-420 Operating System Concepts
- aCS-470 Information Systems Analysis and Design
- aCS-480 Introduction to Compilers & Interpreters

#### COMPUTER SCIENCE
- CS-150 Introduction to Computer Organization
- aCS-420 Operating System Concepts
- aCS-470 Information Systems Analysis and Design
- aCS-480 Introduction to Compilers & Interpreters

#### ELECTIVES
- Electives (12 cr.)

### BUSINESS OPTION
- 30 credits to be in the area of Business (Management, Accounting or General Business Program)

### TECHNICAL COMMUNICATION OPTION

- ES-220 Engineering Drawing
- TEC-320 Technical Communication
- TEC-330 Technical Writing
- TEC-350 Production of Technical Communication Materials
- TEC-370 Technical Documentation I
- TEC-380 Technical Documentation II
- TEC-450 Legal Aspects of Technical Communication
- TEC-460 Technical Communication Project Management
- TEC-470 Seminar in Technical Communication
- Electives in CS and EE (9)

### Notes
- a - Choose 1 "a" Course
- b - Choose 2 "b" Courses
Program features...
- Part-time & full-time programs
- Designed to meet the needs of So. Fla. industry
- Day, evening, Saturday classes
- Designed for the adult learner
- 2nd bachelor's programs for those who now need a technical degree
- Said academic foundation with a practitioner's approach to technology
- Credit by examination
- Faculty: practicing engineers, scientists, and computer scientists

Classes start
August 30, 1982
November 1, 1982
January 17, 1983
March 21, 1983
May 23, 1983
June 13, 1983
Registration closes One Week before classes start

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The Center for Science and Engineering also offers a bachelor's program with a major in electrical engineering and a master's program with a major in computer science.

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