College of Engineering and Computing Course Catalogs

NSU Course Catalogs and Course Descriptions

1982

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

Nova Southeastern University

Bachelor's Degree Programs in

- computer science
- computer systems

Nova University
CENTER FOR SCIENCE AND ENGINEERING

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
aMAT-360	Matrices & Statistics
aMAT-420	Linear Algebra
MAT-440	Numerical Analysis
aMAT-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.)	

a=Choose 1 "a" Course
b=Choose 2 "b" Courses

COMPUTER SYSTEMS OPTION

Physics or Life Science (9 cr.)

CS-150	Introduction to Computer Organization
CS-450	Data Base Management Systems Design
aCS-420	Operating System Concepts
aCS-470	Information Systems Analysis and Design
aCS-480	Introduction to Compilers & Interpreters
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)	

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Classes start
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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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INFORMATION REQUEST FORM

☐ **YES,** please send me a catalog and application form for the bachelor's program in ☐ computer science ☐ computer systems ☐ computer systems/technical communication

Name _____

Address _____

City _____

State _____ Zip _____

Telephone (_____) _____

NOVA UNIVERSITY Founded in 1964, Nova University celebrates its 17th anniversary as a leader in higher education this academic year. It is an independent university which is nonsectarian, nonprofit, and racially nondiscriminatory.

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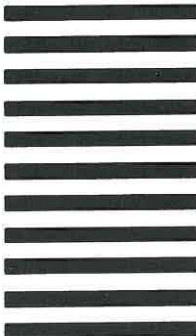
Earn your bachelor's degree in computer science or computer systems

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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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