Master of Science Computer Science Fall Session 1981

Nova Southeastern University

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NOVA UNIVERSITY
CENTER FOR SCIENCE AND ENGINEERING
Master of Science: Computer Science

Fall Term Registration:
Mon., Aug. 31-Sept. 11, 1981
Fall Term Classes:
Mon. I, Sept. 21-Dec. 11, 1981

Hours: 8:30 A.M. to 5:00 P.M.

For further information:
Nova University
Center for Science and Engineering
3301 College Avenue
Fort Lauderdale, Florida 33314
475-7650

Courses Offered: Fall Session 1981

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<th>COURSE NUMBER</th>
<th>COURSE TITLE</th>
<th>CREDIT</th>
<th>DAY</th>
<th>TIME</th>
<th>ROOM</th>
<th>PROFESSOR</th>
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<tr>
<td>ICS 610</td>
<td>Computer Systems</td>
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<td>M 212</td>
<td>K. Willberg</td>
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<tr>
<td>ICS 616</td>
<td>Theory and Principles of Programming</td>
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<td>Staff</td>
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<td>ICS 630</td>
<td>Programming Languages</td>
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<td>ICS 650</td>
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<td>ICS 658</td>
<td>Data Communications</td>
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<td>ICS 660</td>
<td>Data Base Management</td>
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<td>Tuesday</td>
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COURSE DESCRIPTIONS

ICS 610 COMPUTER SYSTEMS
Introduction to digital computer design, peripheral devices, storage allocation, operating systems, compilers and assemblers. An understanding of the total operating environment will be developed. Investigation of the common programming techniques and their theory. Segmentation and overlays, recursion, dynamic storage processing, (stacks, queues, trees), macros.

ICS 616 THEORY AND PRINCIPLES OF PROGRAMMING

ICS 630 PROGRAMMING LANGUAGES
Introduction to data structures and data types, and understanding of the modern approach to structured programming will be developed. A comparative study of several high-level programming languages. Emphasis will be placed on how concepts are expressed in each of the major languages, such as FORTRAN, COBOL, PL/1, PASCAL, and ALGOL.

ICS 650 OPERATING SYSTEMS THEORY AND DESIGN
Analysis of computer operating systems with emphasis on structured design. Multiprogramming and multiprocessing, real-time, time-sharing, networks, job control. Scheduling, synchronization and other forms of resource management: I/O programming, memory and file system management. PREREQUISITES: ICS 610, ICS 630.

ICS 658 DATA COMMUNICATIONS
An introduction to basic data communication concepts, coding modes and types of transmissions, multiplexing, line protocols, switching techniques and communication satellite technology. PREREQUISITE: ICS 656.

ICS 660 DATA BASE MANAGEMENT
Computer-oriented techniques for information storage and retrieval with emphasis on on-line capability. File structures, including data definition and manipulation languages. PREREQUISITES: ICS 610, ICS 630.
The following is the schedule of fees and the university policy on tuition payment and refund.

Tuition fees at the rate of $100 per credit hour

- Application fee, nonrefundable: $15
- Registration fee, nonrefundable: $15 per term
- Laboratory fee, where applicable: $30
- Graduation fee: $15
- Late Registration Fee (after Sept. 11): $15

Students cannot re-register for additional courses if there is an outstanding balance against previous tuition for which no previous arrangement has been made with the Comptroller.

Returning students must call 475-7650 for registration approval. Registration forms may be mailed in only after approval by phone.

Tuition Refund Policy

The following refund policy will be computed based upon the date written notification of the drop is received by the Registrar’s Office.

- 100% refund prior to the first class meeting.
- 75% refund prior to the second class meeting, regardless of class attendance.
- 50% refund prior to the third class meeting, regardless of class attendance.

Fees are non-refundable.

Mon. Oct. 16  LAST DAY TO DROP COURSES.

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