Schedule of Classes
1983-1984 Schedule

Office of Computer Studies (OCS)
Credit and Non-Credit Workshops and Seminars
Complete Programs leading to the Bachelor's, Master's, and Educational Specialist Degrees

BROWARD 475-7463
DADE 940-6447
PALM BEACH 732-6600
FL WATS 1-800-432-5021 ex. 7445

Now you can learn how to use a microcomputer!
Select classes that match your working schedule!
OCS Course Schedule

**Offerings:** You can start learning how to use a microcomputer through a noncredit or credit seminar or a workshop, a single course, an 18-21 credit certificate or specialty area, or you may pursue an entire graduate degree.

Thirty-six semester-hour degree programs are offered in the use of microcomputers for K-12 teachers with four different majors at the master of science or educational specialist level:

**DEGREE MAJORS**

1. Computer Education  
2. Computer Studies  
3. Computer Applications  
4. Computer Hyphenated Major

If your work is in the areas of business, public administration, or training, you may pursue a certificate or master of science degree in the use of microcomputers in management with a specialty in one of these areas:

1. Business  
2. Public Administration  
3. Human Resource Management

Contact the Center for the Study of Administration for further information: 475-7645.

**College and university faculty** may pursue a certificate, master of science, or educational specialist degree in the use of microcomputers in one of these areas:

1. Higher Education  
2. Adult Education  
3. Vocational, Technical, and Occupational Education

The Center for Higher Education (CHE) may be called for further details: 475-7380.

**Tuition and Fees:** Tuition must be paid at least one week before the first class session or there will be a $20 late fee. There is a one-time Nova University Graduate Application fee of $25.00. Tuition differs by Centers:

CED courses: $8.00/credit hour  
CHE courses: $100/credit hour  
GMP courses: $125/credit hour

For further information call:

**BROWARD:** 475-7463  
DADE: 946-6447, ext. 7465  
FLORIDA WATS: 1-800-432-5022, ext. 7465

FOR COUNSELING: Call 475-7463 to make an appointment to discuss your program with an OCS counselor.

It is important that you register early to insure enrollment in class and to avoid the late fee.

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**FALL CYCLE  September 6 - December 22, 1983**

SATURDAYS (9:30 a.m. - 3:45 p.m.) Sept. 10 - Dec. 17  
(plus one Wednesday evening; Sept 7 - 6:00-9:30 p.m.)

**CED MODULE I - “Computer Literacy”**

CED 600  Teaching Computer Literacy  
CED 617  Software Search and Evaluation  
CED 726  Programming Microcomputers in PILOT

**CED MODULE III - “Computer Assisted Instruction”**

CED 610  Authoring Tools and Graphics  
CED 621  Computer Assisted Instruction  
CED 728  Programming Microcomputers in Pascal  
CED 521  Computer Assisted Instruction, Courseware Version

**CAP MODULE II - “Computer Applications”**

BED 500  Wordprocessing with Microcomputers  
CED 521  Computer Assisted Instruction, Courseware Version  
CED 721  Administrative Applications of Microcomputers

**GMP COURSES**

GMP 5901  Microcomputing in Business  
GMP 5902  Workshop in Microcomputing (2 credit hours)  
GMP 5903  Software Search and Evaluation  
GMP 5905  Computer Applications in Business

**EVENINGS (5:00-9:00 p.m.)**  
Mondays and Wednesdays (Sept. 7 - Dec. 16)

**CED MODULE II - “Programming”**

CED 725  Programming Microcomputers  
CED 735  Advanced Programming of Microcomputers in BASIC  
CED 680  Teaching BASIC Programming

**CED MODULE IV - “Advanced Utilization of Microcomputers”**

CED 729  Advanced Programming of Microcomputers in Pascal  
CED 632  Interactive Video  
CED 721  Administrative Applications of Microcomputers

**CED MODULE I - “Computer Literacy”**

CED 600  Teaching Computer Literacy  
CED 617  Software Search and Evaluation  
CED 726  Programming Microcomputers in PILOT

**INDIVIDUAL COURSES**

CED 522  Microcomputing in the Curriculum  
CED 600  Teaching Computer Literacy  
CED 728  Programming Microcomputers in Pascal (begins October 22, 1983)

Mondays and Wednesdays (Nov 2-Dec. 7, 1983)

CED 600  Teaching Computer Literacy (Available at Coral Springs campus only; University School—Radio Shack™ equipment).

*GMP COURSES are on a special Friday/Saturday schedule which is run on a quarterly basis beginning in January, April, July, and October of each year. Call for details.*
WINTER CYCLE  January 3-28, 1984 - February 1-15, 1984

INDIVIDUAL COURSES

SATURDAYS (8:30 a.m. - 3:45 p.m.) Jan. 7 - Jan. 28
CED 617 Software Search and Evaluation
CED 729 Advanced Programming of Microcomputers in Pascal
CED 750 Independent Study

SATURDAYS (8:30 a.m. - 3:45 p.m.) Jan. 7- Feb. 25
(plus four Thursday evenings; Jan. 3-Feb. 2 - 6:00-9:30 p.m.)
LR Core I Learning Resources.
Evenings (5:00-9:00 p.m.)
Monday, Wednesday, & Friday (Jan. 4 - Jan. 25)
CED 675 Simulation
CED 756 Introduction to Microcomputers
MC 705 Communicating with Microcomputers
CED 617 Software Search and Evaluation (Available at Coral Springs campus only; Radio Shack™ equipment)

Tuesday, Thursday and Friday (Jan. 5-Jan. 26)
CED 522 Microcomputing in the Curriculum
CED 600 Teaching Computer Literacy

SPRING CYCLE March 7 - June 16, 1984

SATURDAYS (8:30 a.m. - 3:45 p.m.) Mar. 3 - June 16
(plus one Thursday evening; Mar. 1 - 6:00-9:00 p.m.)

CED MODULE II - "Programming"
CED 725 Programming Microcomputers
CED 735 Advanced Programming of Microcomputers in BASIC
CED 680 Teaching BASIC Programming

CAP - "Computer Applications"
BED 500 Wordprocessing with Microcomputers
CED 521 Computer Assisted Instruction, Courseware Version
CED 721 Administrative Applications of Microcomputers

INDIVIDUAL COURSES:
CED 621 Computer Assisted Instruction
MC 615 Microcomputer Graphics

CED 755 Advanced Programming of Microcomputers in BASIC (Available at Coral Springs campus only)

CED 725 - Programming Microcomputers

Evenings (5:00-9:00 p.m.)

MONDAYS AND WEDNESDAYS (March 7 - April 9) (Available at Coral Springs campus only)
CED 725 - Programming Microcomputers
CED 755 Advanced Programming of Microcomputers in BASIC (Available at Coral Springs campus only; April 11 - May 21)

GMP COURSES
GMP 5901 Microcomputing in Business
GMP 5902 Workshop in Microcomputing (2 credit hours)
GMP 5908 Authoring Tools and Graphics

TENTATIVE SUMMER 1984 CYCLE July 5 - August 11

SESSION A
SUMMER DAY CYCLE (July 5-August 11, 8:30 a.m. - 3:45 p.m.)

MONDAY, WEDNESDAY AND FRIDAY
CED MODULE I Computer Literacy
CED MODULE III Computer Assisted Instruction
CED 521 CAI (Courseware Version)
CED MODULE V New Applications

SESSION B
SUMMER DAY CYCLE (July 5-August 11, 8:30 a.m. - 3:45 p.m.)

TUESDAY, THURSDAY AND SATURDAY
CED MODULE II Programming
CED MODULE IV Advanced Utilization
CAP MODULE Computer Applications

SESSION C
SUMMER EVENING CYCLE (June 18 - July 12, 5:00-9:00 p.m.)

MONDAY AND THURSDAY
CED 725 Programming Microcomputers
CED 600 Teaching Computer Literacy
CED 728 Programming Microcomputers in Pascal
CED 610 Authoring Tools and Graphics
CED 621 Computer Assisted Instruction

CED 617 Computer Assisted Instruction
CED 600 Teaching Computer Literacy
CED 725 Programming Microcomputers
CED 5902 Workshop in Microcomputing (2 credit hours)
CED 5908 Authoring Tools and Graphics

1983-84 ONE AND TWO-WEEK INTENSIVES (December, April and June)

WINTER (December 23 - January 31, 26-30, Mon.- Fri.) CED 522 CED 600 CED 617 GMP 5901 MC 705 BED 635

SPRING (April 10-24, Mon.- Fri.) CED 522 CED 600 GMP 5901 BED 500 CED 736

SUMMER (June 18-29, Mon.- Fri.) CED 522 CED 600 CED 617 MC 615 MAT 640

Current Open Lab hours posted in Microlab

You should not plan to take more than 5 credits during a regular cycle, i.e. Fall, Spring and Summer. During the Winter cycle, 6 credits should be your maximum and you should not try to take more than 3 credits during an Intensive. See a program outline for a suggested schedule for each module to enable you to complete your M.S. or Ed.S. degree within a 12-18 month period.

Nova University is accredited by the Southern Association of Colleges and Schools and admits students of any race, color, and national or ethnic origin.
PROBLEM OUTLINES

Be sure you have a program outline in your file and a copy in your possession signed by a CED counselor. If you wish to discuss changing your major, please see a counselor (Call 475-7463 for appointment.) All graduate education degrees programs are 36 semester hour programs. Business degrees programs are 36 semester hour programs with a computer literacy prerequisite and include a noncredit introductory programming seminar.

K-12 EDUCATORS:

<table>
<thead>
<tr>
<th>COMPUTER EDUCATION</th>
<th>HYPHENATED MAJOR</th>
<th>COMPUTER APPLICATIONS</th>
<th>M.S. DEGREE</th>
<th>ED. S. DEGREE</th>
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</thead>
<tbody>
<tr>
<td>CED I</td>
<td>9 credits</td>
<td>CHE 3</td>
<td>3 credits</td>
<td>CHE I</td>
</tr>
<tr>
<td>CED II</td>
<td>6</td>
<td>CHE 510</td>
<td>3</td>
<td>CHE II</td>
</tr>
<tr>
<td>COM I</td>
<td>6</td>
<td>CHE 515</td>
<td>3</td>
<td>CHE II</td>
</tr>
<tr>
<td>COM II</td>
<td>6</td>
<td>CHE 725</td>
<td>3</td>
<td>CHE III</td>
</tr>
<tr>
<td>Transfers</td>
<td>6</td>
<td>CHE 751</td>
<td>6</td>
<td>CHE III</td>
</tr>
</tbody>
</table>

MIDDLE-LEVEL PROGRAM CONTENTS

The courses in each education module, as currently constituted, are listed below (see a GEM bulletin or brochure for a listing of the course names; they also appear on your CED program outline):

CED MODULE I - "Computer Literacy"
CED 600 Teaching Computer Literacy
CED 017 Software Search and Evaluation
CED 725 Programming Microcomputers in PILOT

CED MODULE II - "Programming"
CED 725 Programming Microcomputers
CED 755 Advanced Programming of Microcomputers in BASIC
CED 680 Teaching BASIC Programming

CED MODULE III - "Computer Assisted Instruction"
CED 800 Authoring Tools and Graphics
CED 621 Computer Assisted Instruction
CED 728 Programming Microcomputers in Pascal
CED 521 Computer Assisted Instruction, Courseware Version

*Electives if CED III was previously completed. **Transfer credits must match courses in the program.

To meet individual needs, CED counselors will make appropriate substitutions of individual courses for those appearing in the above degree programs. A common example is the substitution of LOGO for PILOT for elementary teachers and Pascal for PILOT for secondary math/science teachers.

COLLEGE AND UNIVERSITY EDUCATORS:

<table>
<thead>
<tr>
<th>COMPUTER STUDIES</th>
<th>M.S. or Ed.D. in HIGHER EDUCATION OR VTO</th>
<th>HIGHER EDUCATION COMPUTER MODULES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CED MODULE IV - &quot;Advanced Utilization of Microcomputers&quot;</td>
<td>CHE I</td>
<td>9 credits</td>
</tr>
<tr>
<td>CED 729 Advanced Programming of Microcomputers in PASCAL</td>
<td>CHE II</td>
<td>6</td>
</tr>
<tr>
<td>CED 622 Interactive Video</td>
<td>CHE III</td>
<td>6</td>
</tr>
<tr>
<td>CED 721 Administrative Applications of Microcomputers</td>
<td>CHE 750 Independent Study</td>
<td></td>
</tr>
</tbody>
</table>

Business, Public Administration and VTO: GMP 5901 or 5902 is a prerequisite.

Core courses
- Seminar in Programming:
  - GMP 5908 Authoring Tools and Graphics
  - GMP 5909 Communicating with Microcomputers
  - GMP 5904 Advanced Programming of Microcomputers
  - GMP 5907 Independent Study of Selected Topics in Microcomputing

0 credits
3
5
5