



**UNIVERSITY CURRICULUM COMMITTEE**

DATE OF OPEN HEARING (if necessary) 4-27-99 (college level only)

APPROVED

NOT APPROVED

COMMENTS:

Annita Reed 4/30/99  
SIGNATURE DATE

**SENATE**

Date announced at Senate 4-27-99

Voted upon at Senate:                      Approved                      Not Approved                      Date:

**EXECUTIVE VICE PRESIDENT/PROVOST**

APPROVED

NOT APPROVED If no, reasons are as follows:

STUDENT CREDIT HOURS \_\_\_\_\_ FACULTY LOAD HOURS \_\_\_\_\_ EQUALIZED CREDIT HOURS \_\_\_\_\_

OFFICIAL COPY & APPROVAL SHEET FILED (DATE): \_\_\_\_\_

DATE/SIGNATURE EXECUTIVE VICE PRESIDENT/PROVOST J. McArthur 7/21/99

**REGISTRAR**

DATE APPROVED COURSE DESCRIPTION RECEIVED \_\_\_\_\_

HEGIS TAXONOMY & COURSE NUMBER ASSIGNED \_\_\_\_\_

DATE/SIGNATURE OF REGISTRAR Robert A. Kulat 7/26/99

**NOTIFICATION FORWARD:**

SENATE CURRICULUM COMMITTEE CHAIRPERSON

DEPARTMENT CHAIRPERSONS

ACADEMIC DEAN(S)

REGISTRAR

SPONSOR(S)

TM  
8/16/99

**Rowan University  
Computer Science Department**

**Minor Curricular Change**

**Add *Robotics* and *Web Programming* to Computer Science Restricted Electives**

**1. Details**

**a. Change Requested**

Add the new courses *Robotics* and *Web Programming* to the list of Restricted Electives for Computer Science majors.

**Old list of Restricted Electives:**

Students must take 12 s.h. from the following list:

1. Advanced Computer Science Courses – at least 6 s.h.

0704.380 Object-Oriented Design  
0707.322 Software Engineering Practicum  
0707.360 Computer Graphics  
0706.410 Data Communications and Networking  
0707.422 Theory of Computing  
0707.450 Artificial Intelligence  
0704.401 Compiler Design  
0706.412 Advanced Computer Architecture  
0701.395 Topics in Computer Science

2. Others

0704.392 System Programming and Operating System Internals  
0799.300 Computer Field Experience  
0704.325 Programming in Ada  
0704.233 Structured Design and Programming Using COBOL  
0704.234 Advanced Structured Design and Programming Using COBOL  
0702.338 Design of Data Base Systems  
0502.210 Accounting I  
0702.322 Principles of System Design  
0507.430 Principles of Management Science  
1701.230 Calculus III  
1701.332 Numerical Analysis  
1701.340 Modern Algebra  
1701.320 Differential Equations  
1702.361 Probability and Statistics II  
1703.400 Applications of Mathematics

**New list of Restricted Electives:**

Students must take 12 s.h. from the following list:

1. Advanced Computer Science Courses – at least 6 s.h.

0704.380 Object Oriented Design  
0707.322 Software Engineering Practicum

0707.360 Computer Graphics  
0706.410 Data Communications and Networking  
0707.422 Theory of Computing  
0707.450 Artificial Intelligence  
0704.401 Compiler Design  
0706.412 Advanced Computer Architecture  
0701.395 Topics in Computer Science

2. Others

0704.392 System Programming and Operating System Internals  
0799.300 Computer Field Experience  
0704.325 Programming in Ada  
0704.233 Structured Design and Programming Using COBOL  
0704.234 Advanced Structured Design and Programming Using COBOL  
**[Number to be determined] Robotics**  
**[Number to be determined] Web Programming**  
0702.338 Design of Data Base Systems  
0502.210 Accounting I  
0702.322 Principles of System Design  
0507.430 Principles of Management Science  
1701.230 Calculus III  
1701.332 Numerical Analysis  
1701.340 Modern Algebra  
1701.320 Differential Equations  
1702.361 Probability and Statistics II  
1703.400 Applications of Mathematics

b. **Sponsor:** Nancy Tinkham, Computer Science Department

**2. Rationale**

**a. Statement of need for the change**

*Robotics* and *Web Programming* are two new upper-level Computer Science courses that have been proposed this year and that are in the process of being approved by the Senate Curriculum Committee. Both are appropriate electives for Computer Science students to take as part of their major.

**b. Statement of curricular effect**

This change expands the list of restricted electives Computer Science majors may choose from.

**3. Results of consultation**

Consultation has been internal to the department.