

# Florida Institute of Technology

## ADDING A NEW MAJOR OR MINOR TO THE CURRICULUM

Please provide the following information when requesting a new major or minor (programs and options) to be added to the curriculum. A code will be assigned by the Office of the Registrar and a copy of this form will be mailed to the appropriate department.

COLLEGE/SCHOOL Engineering SITE(S) Melbourne  
 DEPARTMENT Computer Sciences CAMPUS(ES) Melbourne

PROGRAM TO BE ADDED  Major  Minor

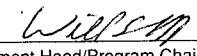
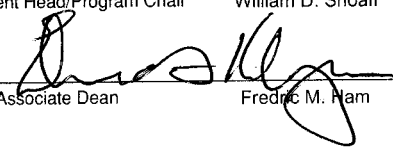
- LEVEL  Bachelor of Arts (B.A.)  Master of Arts (M.A.)  Educational Specialist (Ed.S.)  
 Bachelor of Science (B.S.)  Master of Business Administration (M.B.A.)  Doctor of Education (Ed.D.)  
 Master of Public Administration (M.P.A.)  Doctor of Philosophy (Ph.D.)  
 Master of Science (M.S.)  Doctor of Psychology (Psy.D.)  
 Master of Science in Aviation (M.S.A.)  
 Professional Master of Business Administration (P.M.B.A.)

PROGRAM TITLE (restricted to 30 spaces, including blanks)

Minor in Computer Science

TERM TO BE INITIATED Fall 2005 ADVISER FOR NEW PROGRAM William D. Shoaff

**APPROVALS:** Upon completion of appropriate department approvals, submit form to Chair, Graduate Council, or Chair, Undergraduate Curriculum Committee, and Provost for approval below and forward to Office of the Registrar.

	_____	<u>2/2/2005</u>
Department Head/Program Chair	William D. Shoaff	Date
	_____	<u>3-2-05</u>
Dean or Associate Dean	Fredric M. Nam	Date
Chair, Graduate Council	_____	Date
<b>OR</b>		
Chair, Undergraduate Curriculum Committee	_____	Date
Provost	_____	Date

### REGISTRAR'S OFFICE USE ONLY

FSA ATLAS \_\_\_\_\_ SOAXREF \_\_\_\_\_ SMAPRLE \_\_\_\_\_  
 STVMAJR \_\_\_\_\_ SOACURR \_\_\_\_\_ Major Code Assigned \_\_\_\_\_  
 SOAXCUR \_\_\_\_\_ CIPC Code \_\_\_\_\_ Operator Initials/date \_\_\_\_\_

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 150 West University Boulevard, Melbourne, FL 32901-6975 • (321) 674-7399 • Fax (321) 674-7827

RG-433-8041

**To:** Clayton Baum, Chair, University Curriculum Committee  
**Through:** Ed Kalajian, Associate Dean, College of Engineering *Ed Kalajian 3-2-05*  
**Date:** February 1, 2005  
**From:** William Shoaff, Head, Computer Sciences Department *William Shoaff*  
**Subject:** Proposal for a Minor in Computer Science

The Department of Computer Sciences requests approval to offer a minor in computer science subject to the requirements listed below.

- 21 credits must be earned in courses listed below;
- A GPA of 2.0 or above in the credits applied toward the minor;
- At least 12 of the credits applied toward the minor must be earned in courses offered by the Computer Sciences Department at Florida Tech;
- The minor must be earned concurrently with or following the award of the baccalaureate degree from Florida Tech;
- Students earning a major in program offered by the Computer Sciences Department can not be awarded this minor.

The courses required for earning a minor are:

1. CSE 1001 Fundamentals of Software Development 1 (4 credits)
2. CSE 1002 Fundamentals of Software Development 2 (4 credits)
3. CSE 1400 Applied Discrete Mathematics 1 (3 credits)
4. CSE 2010 Algorithms and Data Structures (4 credits)
5. Two courses selected from:
  - (a) CSE 2410 Introduction to Software Engineering (3 credits)
  - (b) CSE 3411 Software Testing 1 (3 credits)
  - (c) CSE 3421 Software Design Methods (3 credits)
  - (d) CSE 4001 Operating Systems (3 credits)
  - (e) CSE 4020 Database Systems (3 credits)
  - (f) CSE 4081 Analysis of Algorithms (3 credits)
  - (g) CSE 4083 Formal Languages and Automata Theory (3 credits)
  - (h) CSE 4232 Network Programming (3 credits)
  - (i) CSE 4250 Programming Languages (3 credits)
  - (j) CSE 4251 Compiler Theory (3 credits)
  - (k) CSE 4280 Computer Graphics (3 credits)
  - (l) CSE 4301 Artificial Intelligence (3 credits)
  - (m) CSE 4415 Software Testing 2 (3 credits)
  - (n) CSE 4610 Requirements Engineering (3 credits)
  - (o) CSE 4621 Software Metrics and Modeling (3 credits)

**FLORIDA INSTITUTE OF TECHNOLOGY  
DEPARTMENT OF COMPUTER SCIENCES  
APPLICATION FOR ADMISSION TO THE COMPUTER SCIENCE MINOR**

Name: \_\_\_\_\_ Student Id: \_\_\_\_\_

Local Address: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Email: \_\_\_\_\_ Major: \_\_\_\_\_

Please list the elective courses you plan to use to satisfy the requirements. The proposed course plan must be discussed with your academic (major) advisor and signed. Return this form to 267 Olin Engineering Complex.

Course	Title	Credit	Term	Grade
CSE 1001	FUNDAMENTALS OF SOFTWARE DEVELOPMENT 1	4		
CSE 1002	FUNDAMENTALS OF SOFTWARE DEVELOPMENT 2	4		
CSE 1400	APPLIED DISCRETE MATHEMATICS	3		
CSE 2010	ALGORITHMS AND DATA STRUCTURES	4		
		3		
		3		

Student: \_\_\_\_\_ Date: \_\_\_\_\_

Major Advisor: \_\_\_\_\_ Department: \_\_\_\_\_ Date: \_\_\_\_\_

Computer Sciences Department Head \_\_\_\_\_ Date: \_\_\_\_\_

1. A grade point average (GPA) of 2.0 or higher in all courses applied toward the minor is required.
2. At least 12 of the credits applied toward the minor must be earned in courses offered by the Computer Sciences Department at Florida Tech.
3. The minor will be awarded only at or after the completion of a baccalaureate degree earned at Florida Tech.
4. Students earning this minor may not be qualified to enter a graduate program or obtain employment in computer science or related fields.