

Department of Mathematical Sciences

Requirements for the Minor in Computational Mathematics (19 credit hours)

MTH 2401	Probability and Statistics
MTH 2201 or MTH 2001	Differential Equations with Linear Algebra or Calculus 3
MTH 3102	Introduction to Linear Algebra
MTH 4311	Numerical Analysis
MTH 4320	Neural Networks
MTH 4082	Parallel Processing

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any course at the 2000 level to satisfy that requirement.

Requirements for the Minor in Pure Mathematics (20 credit hours)

MTH 2001	Calculus 3
MTH 2201	Differential Equations with Linear Algebra
MTH 3102	Introductory Linear Algebra
MTH 4101	Introductory Analysis
MTH 4105	Topology
MTH 4051	Abstract Algebra

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any course at the 2000 level to satisfy that requirement.

Requirements for the Minor in Applied Mathematics (20 credit hours)

MTH 2001	Calculus 3
MTH 2201	Differential Equations with Linear Algebra
MTH 3201	Boundary Value Problems
MTH 3101	Complex Variables
MTH 4201	Models in Applied Mathematics
MTH 4311	Numerical Analysis

Any student that has taken these courses, but has not satisfied the requirement of at least 9 credit hours being unnamed courses may take any course at the 2000 level to satisfy that requirement.

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 College of Science SITE(S) _____

DEPARTMENT Mathematical Sciences CAMPUS(ES) _____

PROGRAM TO BE ADDED Major Minor

- | | | |
|--|--|---|
| LEVEL <input type="checkbox"/> Bachelor of Arts (B.A.) | <input type="checkbox"/> Master of Arts (M.A.) | <input type="checkbox"/> Educational Specialist (Ed.S.) |
| <input checked="" type="checkbox"/> Bachelor of Science (B.S.) | <input type="checkbox"/> Master of Business Administration (M.B.A.) | <input type="checkbox"/> Doctor of Education (Ed.D.) |
| | <input type="checkbox"/> Master of Public Administration (M.P.A.) | <input type="checkbox"/> Doctor of Philosophy (Ph.D.) |
| | <input type="checkbox"/> Master of Science (M.S.) | <input type="checkbox"/> Doctor of Psychology (Psy.D.) |
| | <input type="checkbox"/> Master of Science in Aviation (M.S.A.) | |
| | <input type="checkbox"/> Professional Master of Business Administration (P.M.B.A.) | |

PROGRAM TITLE *(restricted to 30 spaces, including blanks)*
Computational Mathematics

TERM TO BE INITIATED Fall 2005 ADVISER FOR NEW PROGRAM Dr. M. Shaw

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>[Signature]</u> Department Head/Program Chair	<u>4/20/05</u> Date
<u>[Signature]</u> Dean or Associate Dean	<u>4/20/05</u> Date
_____ Chair, Graduate Council	_____ Date
OR	
_____ Chair, Undergraduate Curriculum Committee	_____ Date
_____ Provost	_____ Date

REGISTRAR'S OFFICE USE ONLY

FSA ATLAS _____	SOXREF _____	SMAPRLE _____
STVMAJR _____	SOACURR _____	Major Code Assigned _____
SOAXCUR _____	CIPC Code _____	Operator Initials/date _____

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DEPARTMENT Mathematical Sciences CAMPUS(ES) _____

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)
Pure Mathematics

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 Chair, Undergraduate Curriculum Committee Date

 Provost Date

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DEPARTMENT Mathematical Sciences CAMPUS(ES) _____

PROGRAM TO BE ADDED Major Minor

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 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)*
Applied Mathematics

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