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

DEPARTMENT: Mathematical Sciences

PROGRAM TO BE ADDED: Minor

LEVEL: Bachelor of Science (B.S.)

PROGRAM TITLE: 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.

Department Head/Program Chair: [Signature] 2/20/05

Dean or Associate Dean: [Signature] 2/20/05

Chair, Graduate Council: [Signature] [Date]

Chair, Undergraduate Curriculum Committee: [Signature] [Date]

Provost: [Signature] [Date]

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COLLEGE/SCHOOL: College of Science

DEPARTMENT: Mathematical Sciences

PROGRAM TO BE ADDED: Minor

LEVEL: Bachelor of Science (B.S.)

PROGRAM TITLE: Pure 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.

Department Head/Program Chair

Dean or Associate Dean

Chair, Graduate Council

OR

Chair, Undergraduate Curriculum Committee

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COLLEGE/SCHOOL [ ]

SITE(S) [ ]

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 20 spaces, including blanks)

Applied 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.

Department Head/Program Chair

[ ]

Date 4/25/05

Dean or Associate Dean

[ ]

Date 4/30/05

Chair, Graduate Council

[ ]

Date

OR

Chair, Undergraduate Curriculum Committee

[ ]

Date

Provost

[ ]

Date

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