

College of Science & Mathematics

Department: Mathematics & Statistics

Major Program:

Minor Program: Minor in Mathematics

Certificate Program:

Current:

<i>Required Courses – 18 hours</i>	
MTH 229	Calculus I
MTH 230	Calculus II
MTH 231	Calculus III
MTH 253	Matrix Algebra or
MTH 255	Linear Algebra
<i>Departmental Electives – Choose at least 12 hours:</i>	
MTH 232	Calculus IV
MTH 233	Differential Equations or
MTH 235	Diff Equations with Matrix Algebra
MTH 257	Discrete Math for Computing
MTH 280	Intro to Mathematical Proof
MTH 306	Mathematical Modeling
MTH 314	Intro to Mathematical Software
MTH 316*	Numerical Methods I
MTH 317*	Numerical Methods II
MTH 332	Complex Variables
MTH 333	Partial Diff Equations
MTH 355	Advanced Linear Algebra
MTH 381	Number Theory
MTH 407*	Optimization Techniques
MTH 410*	Theoretical Found of Computing
MTH 415	Intro to Scientific Computation
MTH 419*	Cryptography & Data Security
MTH 431	Real Variables I
MTH 432	Real Variables II
MTH 433	Real Variables III
MTH 451	Intro to Modern Algebra I
MTH 452	Intro to Modern Algebra II
MTH 456*	Coding Theory
MTH 457	Combinatorics
MTH 458*	Applied Graph Theory
MTH 471	Geometry
MTH 480	Appl Math: Geometric Methods
MTH 481	Appl Math: Differential Equations
MTH 482	Appl Math: Integral Methods
STT 360	Applied Statistics I or
STT 363	Engineering Statistics
STT 461	Theory of Statistics I

- Only one of MTH 253 and MTH 255, only one of MTH 233 and MTH 235, and only one of STT 360 and 363 can count toward the minor.
- A GPA of at least 2.0 must be maintained in all minor courses.
- The minor must include at least three 300 or 400 level courses; a GPA of at least 2.0 must be earned in all minor courses at this level.

* Courses cross-listed with the student's major department cannot be included in the minor.

New:

<i>Required Courses – 18 hours</i>	
MTH 229	Calculus I
MTH 230	Calculus II
MTH 231	Calculus III
MTH 253	Matrix Algebra or
MTH 255	Linear Algebra
<i>Departmental Electives – Choose at least 12 hours:</i>	
MTH 232	Calculus IV
MTH 233	Differential Equations or
MTH 235	Diff Equations with Matrix Algebra
MTH 257	Discrete Math for Computing
MTH 280	Intro to Mathematical Proof
MTH 306	Mathematical Modeling
MTH 314	Intro to Mathematical Software
MTH 316	Numerical Methods I
MTH 317	Numerical Methods II
MTH 332	Complex Variables
MTH 333	Partial Diff Equations
MTH 355	Advanced Linear Algebra
MTH 381	Number Theory
MTH 407	Optimization Techniques
MTH 410	Theoretical Found of Computing
MTH 415	Intro to Scientific Computation
MTH 419	Cryptography & Data Security
MTH 431	Real Variables I
MTH 432	Real Variables II
MTH 433	Real Variables III
MTH 451	Intro to Modern Algebra I
MTH 452	Intro to Modern Algebra II
MTH 456	Coding Theory
MTH 457	Combinatorics
MTH 458	Applied Graph Theory
MTH 471	Geometry
MTH 480	Appl Math: Geometric Methods
MTH 481	Appl Math: Differential Equations
MTH 482	Appl Math: Integral Methods
STT 360	Applied Statistics I or
STT 363	Engineering Statistics
STT 461	Theory of Statistics I

- Only one of MTH 253 and MTH 255, only one of MTH 233 and MTH 235, and only one of STT 360 and 363 can count toward the minor.
- A GPA of at least 2.0 must be maintained in all minor courses.
- The minor must include at least three 300 or 400 level courses; a GPA of at least 2.0 must be earned in all minor courses at this level.

Transition Plan – The proposed requirement will take effect the quarter after it is approved by UCAPC. Students currently in the minor program when the change is implemented may elect to follow the new requirements.

Department Chair _____ Date _____

College Curriculum Committee Chair _____ Date _____

College Dean _____ Date _____

UCAPC Chair _____ Date _____

Faculty Senate _____ Date Approved _____ Registrar _____ Date Received _____ Date Posted _____