Bachelor of Arts (BA)  
Mathematics

Requirements for the Bachelor of Arts degree with a major in Mathematics include the following:

1. **Hours Required and General/College Requirements:** A minimum of 120 semester hours, of which 42 must be advanced, and fulfillment of degree requirements for the Bachelor of Arts degree.

2. **Major Requirements:** 34 hours of mathematics courses, which must include:
   a. **Mathematics Core (16 hours):** MATH 1710D, MATH 1720D, MATH 2700D, MATH 2730D, MATH 3000D.
   b. At least one of: MATH 3510D or 3610D must be taken in satisfying the depth or breadth requirements.
   c. **Depth Requirement (6 hours):** One of the following areas:
      - **Analysis:** two of the following: MATH 3350D, MATH 3410D, MATH 3610D, MATH 3740D, MATH 4100D, MATH 4200D, MATH 4520D.
      - **Algebra:** two of the following: MATH 3400D, MATH 3510D, MATH 3520D, MATH 4430D, MATH 4450D.
      - **Probability/Statistics:** two of the following: MATH 3680D, MATH 4610D, MATH 4650D.
      - **Geometry/Topology:** two of the following: MATH 3740D, MATH 4060D, MATH 4500D.
   d. **Breadth Requirement (9 hours):** One course in each of the three areas not used to satisfy the depth requirement.
   e. **Mathematics elective (3 hours):** One additional upper-level mathematics course numbered 3350D or higher.

3. **Other Course Requirements:**
   a. Three laboratory science courses intended for science majors are required.
   b. Students double majoring in mathematics and another discipline (typically biology, chemistry, physics or engineering) that requires at least 12 hours of laboratory science intended for science and engineering majors may use the same laboratory science courses that satisfy the requirements for the other major to satisfy the laboratory science requirement for the mathematics major.
   c. Proficiency in a foreign language equivalent to 2050D is required. Students intending to pursue a graduate degree in mathematics are encouraged to study French, German or Russian.

4. **Computer Programming:** CSCE 1030D is required.

5. **GPA:** Students must achieve at least a 2.0 GPA in all mathematics courses above 3350D.

6. **Minor Requirements:** One of the following is required:
   a. A minor of at least 18 hours (6 advanced). A minor in statistics does not fulfill this requirement.
   b. Completion of a second major in addition to mathematics.

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### Suggested Academic Plan

This is a suggested academic plan. Students may make adjustments and consult the current Undergraduate Catalog for course prerequisites.

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*Denotes classes that satisfy a requirement where there may be other class choices available, please see the current catalog for full course list.

\{\} Denotes “double-dip” courses which count for both core and major
### University of North Texas at Dallas

**Division of Liberal Arts & Life Sciences**

**Bachelor of Arts (BA) Mathematics**

#### General (Core) Requirements (45 hours)

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<td>TECM 2700D</td>
<td>Technical Writing*</td>
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<td>4</td>
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<td>Principles of Microeconomics*</td>
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#### Major Requirements (30 hours)

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<td>Linear Algebra and Vector Geometry</td>
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<td>MATH 2730D</td>
<td>Multivariable Calculus</td>
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<td>MATH 3000D</td>
<td>Real Analysis I</td>
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#### Other Requirements (23 hours)

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#### Computer Programming Requirement (4 hours)

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<td>CSCE 1030D</td>
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#### Minor Requirements (18 hours)

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Any Mathematics course that is not a part of the Major requirement can be considered an elective

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