

# Mathematics and Cultural Anthropology, BS

In the BS combined mathematics and cultural anthropology degree program, anthropology and mathematics courses lay the groundwork for strong basic training that is designed to train the student to use mathematical models and methodologies for the study of problems in cultural anthropology.

## Program Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified and complete any additional courses needed beyond specific college and major requirements to satisfy graduation credit requirements.

## University-Wide Requirements

All undergraduate students are required to complete the University-Wide Requirements (<http://catalog.northeastern.edu/undergraduate/university-academics/university-wide-requirements/>).

## NUpath Requirements

All undergraduate students are required to complete the NUpath Requirements (<http://catalog.northeastern.edu/undergraduate/university-academics/nupath/>).

## Experiential Liberal Arts

All undergraduate students in the College of Social Sciences and Humanities are required to complete the Experiential Liberal Arts Requirement (<http://catalog.northeastern.edu/undergraduate/social-sciences-humanities/#ela>).

## Mathematics Requirements

| Code   | Title   | Hours |
|--|---|-------|
| <b>Problem Solving</b>   |   |       |
| MATH 1365  | Introduction to Mathematical Reasoning                    | 4     |
| <b>Calculus</b>  |   |       |
| MATH 1341  | Calculus 1 for Science and Engineering                    | 4     |
| MATH 1342  | Calculus 2 for Science and Engineering                    | 4     |
| MATH 2321  | Calculus 3 for Science and Engineering                    | 4     |
| <b>Intermediate and Advanced Mathematics</b>   |   |       |
| MATH 2341  | Differential Equations and Linear Algebra for Engineering | 4     |
| MATH 2331  | Linear Algebra  | 4     |
| MATH 3081  | Probability and Statistics                                | 4     |
| <b>Math Electives</b>  |   |       |
| Complete two courses in the following range that are not required in the requirements above: |   | 8     |
| MATH 3001 to MATH 5999   |   |       |

## Anthropology Requirements

| Code                                 | Title                                 | Hours |
|--------------------------------------|---------------------------------------|-------|
| <b>Anthropology Required Courses</b> |                                       |       |
| ANTH 1101                            | Peoples and Cultures                  | 4     |
| ANTH 3410                            | Ethnographic Field Experience         | 4     |
| ANTH 3421                            | Foundations of Anthropological Theory | 4     |
| ANTH 2305                            | Global Markets and Local Culture      | 4     |

**Anthropology Area Courses**  
Complete two of the following. Additional area courses may count as anthropology electives: 8

|           |  |
|-----------|--|
| ANTH 4350 | Ethnography of Southeast Asia          |
| ANTH 4500 | Latin American Society and Development |
| ANTH 4505 | Native North Americans                 |
| ANTH 4510 | Anthropology of Africa                 |
| ANTH 4515 | Culture and Politics in Modern India   |

**Anthropology Electives**  
Complete three 4-semester-hour courses in addition to the requirements stated above. One study-abroad course may count toward this requirement with prior permission from the department. 12

ANTH 2000 to ANTH 4990

**Capstone Requirement**  
ANTH 4600 Senior Seminar 4

## Integrative Requirement

| Code                             | Title   | Hours |
|----------------------------------|---|-------|
| Complete one of the following: 4 |   |       |
| MATH 4025                        | Applied Mathematics Capstone                      |       |
| MATH 5131                        | Introduction to Mathematical Methods and Modeling |       |
| Complete the following: 4        |   |       |
| ANTH 3120                        | Consumer Cultures                                 |       |
| Total Hours                      |   | 8     |

## Mathematics and Anthropology Combined-Major Credit Requirement

Complete 80 semester hours in the major.

## Program Requirement

128 total semester hours required

## Plan of Study

| Year 1    |       |                         |       |          |       |          |       |
|-----------|-------|-------------------------|-------|----------|-------|----------|-------|
| Fall      | Hours | Spring                  | Hours | Summer 1 | Hours | Summer 2 | Hours |
| MATH 1341 | 4     | MATH 1342               | 4     | Vacation |       | Vacation |       |
| MATH 1365 | 4     | Foreign language course |       | 4        |       |          |       |
| ANTH 1101 | 4     | ANTH 2305               | 4     |          |       |          |       |
| ENGW 1111 | 4     | Elective                | 4     |          |       |          |       |
|           |       | 16                      |       |          | 16    | 0        |       |

| Year 2    |       |                         |       |          |       |          |       |
|-----------|-------|-------------------------|-------|----------|-------|----------|-------|
| Fall      | Hours | Spring                  | Hours | Summer 1 | Hours | Summer 2 | Hours |
| MATH 2321 | 4     | ANTH elective           | 4     | Vacation |       | Vacation |       |
| ANTH 3410 | 4     | MATH 2331               | 4     |          |       |          |       |
| MATH 2341 | 4     | Foreign language course | 4     |          |       |          |       |

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|                  |    |           |    |   |  |   |
|------------------|----|-----------|----|---|--|---|
| ANTH<br>elective | 4  | MATH 3081 | 4  |   |  |   |
|                  | 16 |           | 16 | 0 |  | 0 |

**Year 3**

| Fall  | Hours | Spring                          | Hours | Summer 1   | Hours | Summer 2   | Hours |
|-------|-------|---------------------------------|-------|------------|-------|------------|-------|
| Co-op |       | MATH<br>elective                |       | 4 Elective |       | 4 Vacation |       |
|       |       | Elective                        |       | 4 Elective |       | 4          |       |
|       |       | ANTH<br>elective                |       | 4          |       |            |       |
|       |       | ANTH<br>advanced<br>area course |       | 4          |       |            |       |
|       | 0     |                                 | 16    |            | 8     |            | 0     |

**Year 4**

| Fall  | Hours | Spring                          | Hours | Summer 1           | Hours | Summer 2   | Hours |
|-------|-------|---------------------------------|-------|--------------------|-------|------------|-------|
| Co-op |       | ANTH 3421                       |       | 4 MATH<br>elective |       | 4 Vacation |       |
|       |       | MATH<br>elective                |       | 4 Elective         |       | 4          |       |
|       |       | ANTH<br>advanced<br>area course |       | 4                  |       |            |       |
|       |       | ANTH<br>advanced<br>area course |       | 4                  |       |            |       |
|       | 0     |                                 | 16    |                    | 8     |            | 0     |

**Year 5**

| Fall  | Hours | Spring                          | Hours |
|-------|-------|---------------------------------|-------|
| Co-op |       | ANTH 4600                       | 4     |
|       |       | ANTH<br>advanced<br>area course | 4     |
|       |       | Elective                        | 4     |
|       |       | Integrative<br>course           | 4     |
|       | 0     |                                 | 16    |

Total Hours: 128