

Weinberg College of Arts and Sciences  
Northwestern University

**Approved Distribution Courses - 2022-2023**  
**Area II - Formal Studies**  
updated 6/17/22

**Be sure to read these important notes:**

**Prerequisites.** Many approved distribution courses are advanced courses with one or more prerequisites. Prerequisites are listed in the Undergraduate Catalog and in course descriptions available through the Registrar's webpage. Make sure you have the prerequisites for a course before you decide to enroll.

**Interdisciplinary courses.** Some interdisciplinary courses are approved for inclusion in more than one distribution area. *These courses are listed in bold and italics below*, and all relevant areas are indicated in the "area(s)" column. If you take such a course, you can choose in which eligible area to count it.

**When courses are offered.** This list includes all courses approved for distribution credit for the indicated academic year. The Registrar's Office maintains lists of distribution courses to be offered each quarter, as well as Yearly Course Planners showing each department's planned course offerings for the year. **Some approved courses may not be offered.**

**Lists of approved courses from other years:**

<https://www.weinberg.northwestern.edu/undergraduate/degree/distribution-requirements/approved-courses.html>

**Registrar's Website:** [www.registrar.northwestern.edu](http://www.registrar.northwestern.edu)

| dept/pgm | number | course title                                       | area(s) |
|----------|--------|--|---------|
| ANTHRO   | 362    | Advanced Methods in Quantitative Analysis          | II      |
| BIOL SCI | 338    | Modeling Biological Dynamics                       | II      |
| COG SCI  | 207    | Introduction to Cognitive Modeling                 | II      |
| COMP_SCI | 110    | Introduction to Computer Programming               | II      |
| COMP_SCI | 111    | Fundamentals of Computer Programming               | II      |
| COMP_SCI | 150    | Fundamentals of Computer Programming 1.5           | II      |
| CSD      | 304    | Statistics in Communication Sciences and Disorders | II      |
| EARTH    | 361    | Scientific Programming in Python                   | II      |
| EARTH    | 362    | Data Analysis for Earth & Planetary Sciences       | II      |
| GEN LA   | 280-2  | Residence-Linked Seminar - II                      | II      |
| GEN MUS  | 252    | Harmony  | II      |
| GEN MUS  | 253    | Form and Analysis                                  | II      |
| LING     | 260    | Formal Analysis of Words & Sentences               | II      |
| LING     | 270    | Meaning  | II      |
| LING     | 334    | Introduction to Computational Linguistics          | II      |
| LING     | 341    | Language Typology                                  | II      |
| LING     | 342    | Structure of Various Languages                     | II      |
| LING     | 360    | Fundamentals of Syntax                             | II      |
| LING     | 370    | Fundamentals of Meaning                            | II      |
| LING     | 371    | Reference  | II      |

|             |            |  |                    |
|-------------|------------|--|--------------------|
| MATH        | 100        | Quantitative Reasoning (distribution requirement credit applies only to MATH 100-0 and not to the ungraded summer course, MATH 100-BR)   | II                 |
| MATH        | 110        | Introduction to Mathematics  | II                 |
| MATH        | 202        | Finite Mathematics   | II                 |
| MATH        | 211        | Short Course in Calculus   | II                 |
| MATH        | 218-1      | Single-Variable Calculus with Precalculus  | II                 |
| MATH        | 218-2      | Single-Variable Calculus with Precalculus  | II                 |
| MATH        | 218-3      | Single-Variable Calculus with Precalculus  | II                 |
| MATH        | 220-1      | Single-Variable Differential Calculus  | II                 |
| MATH        | 220-2      | Single-Variable Integral Calculus  | II                 |
| MATH        | 226-0      | Sequences and Series   | II                 |
| MATH        | 228-1      | Multivariable Differential Calculus for Engineering  | II                 |
| MATH        | 228-2      | Multivariable Integral Calculus for Engineering  | II                 |
| <b>MATH</b> | <b>327</b> | <b><i>Mechanics for Mathematicians</i></b>   | <b><i>I,II</i></b> |
| MATH        |            | Completing any one course offered by the Department of Mathematics numbered 230-1 or higher with a grade of C- or better satisfies the Weinberg College Formal Studies (Area II) distribution requirement. | II                 |
| NICO        | 101        | Introduction to Programming for Big Data (0.67 units) -- <i>see note below</i>   | II                 |
|             | 102        | Project for Introduction to Programming for Big Data (0.33 units).<br>NOTE: <i>Students must complete both NICO 101 and 102 for 1 credit towards Formal Studies</i>  |                    |
| PHIL        | 150        | Elementary Logic I   | II                 |
| PHIL        | 151        | Scientific Reasoning   | II                 |
| PHIL        | 250        | Elementary Logic II  | II                 |
| PHYSICS     | 311-1      | Mathematical Tools for the Physical Sciences - I   | II                 |
| PHYSICS     | 311-2      | Mathematical Tools for the Physical Sciences - II  | II                 |
| POLI SCI    | 210        | Introduction to Empirical Methods in Political Science   | II                 |
| POLI SCI    | 310        | Methods of Political Inference   | II                 |
| POLI SCI    | 311        | Logics of Political Inquiry  | II                 |
| POLI SCI    | 312        | Statistical Research Methods   | II                 |
| PSYCH       | 201        | Statistical Methods in Psychology  | II                 |
| PSYCH       | 380        | Advanced Statistics & Experimental Design  | II                 |
| SLAVIC      | 341        | Structure of Modern Russian  | II                 |
| SOCIOL      | 303        | Analysis and Interpretation of Social Data   | II                 |
| SPANISH     | 281        | Spanish Phonetics and Phonology  | II                 |
| STAT        | 201        | Introduction to Programming for Data Science   | II                 |
| STAT        | 202        | Introduction to Statistics and Data Science  | II                 |
| STAT        | 210        | Introduction to Probability and Statistics   | II                 |
| STAT        | 228        | Series and Multiple Integrals  | II                 |
| STAT        | 232        | Applied Statistics   | II                 |
| STAT        |            | Any 300-level Statistics course (except 390, 398, or 399) can count as one credit of the Area II requirement.  | II                 |