# 2018 Mathematics Major Checklist

STUDENT: _____     ADVISOR: _____

**Entrance Requirements**:  B– or better in Math151.  (or 2.5 GPA in last two math courses at 150+ level)
**First Year Priorities:**  Filling all prerequisites for Math150 (if the student is not already prepared for Math150).
**Additional Accelerated First Year Priorities**:  Math150, Math151 (CSci180 if the student is interested in this area).

## Checklist for the major (all grades must be C– or better):

| Calculus Requirement | Term/Year | Other 200-level Requirement | Term/Year |
|---|---|---|---|
| Mathematics 150 – Calculus I | _____ | CSci/Math 235 – Discrete Structures | _____ |
| Mathematics 151 – Calculus II | _____ | Mathematics 240 – Linear Algebra | _____ |
| Mathematics 250 – Calculus III | _____ | Mathematics 270 – Formal Reasoning | _____ |

**Any additional four mathematics courses at the 200-level or higher** (excluding capstone courses)
Three credits of internship may be used to replace one course.

| _____ | _____ | _____ | _____ |
|---|---|---|---|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

**One Supporting Course** (Either Computer Science or Physics)

| Computer Science 180 – Structured Prog.   _____ | Physics 210 – Principles of Physics I           _____ |
|---|---|

**Any two-course sequence from the following list**
- One course may overlap with requirements above.

Pure Mathematics:      Math360 or 300-level Philosophy, and one of Math205, Math330, Math340.
Business:              Business 320, and any other 200+ level Business Course
Chemistry:             Chemistry 210, and either Chemistry 211 or Bio/Chem 315
Computer Science:      CSci 220, and any other 200+ level Computer Science course (not CSci/Math235)
Data Science:          CSci 206, and any other 200+ level course that fills a Data Science Minor requirement
Physics:               Physics 210 and Physics 211

| _____ | _____ | _____ | _____ |
|---|---|---|---|

| Capstone Seminar Requirements | Term/Year | Capstone Project Requirements | Term/Year |
|---|---|---|---|
| Mathematics 390 – Research Seminar | _____ | Mathematics 493 – Senior Literature Rev. | _____ |
| Mathematics 494 – Senior Seminar I | _____ | Mathematics 495 – Senior Essay | _____ |
| Mathematics 496 – Senior Seminar II | _____ | Mathematics 499 – Senior Project (2+ cr.) | _____ |

❑ Core Requirements Met          ❑ 124 or more total credits          ❑ Overall GPA 2.00 or better