

Statistics Undergraduate Minor Transition Grid for Students who Declared the Minor in Autumn 2018 or Earlier

Overview.

Typical undergraduate minor in statistics program plans approved before spring 2019 are of two types: ones for students whose major does not require any of the statistics minor core courses (see page 2) and ones for mathematics and actuarial science majors (see page 3). If you do not fit either of these categories, please contact the program advisor. We highly recommend that students whose schedules permit revise their program plans to align with the new curriculum as much as possible. **However, students may complete their currently declared minor plans to earn the minor degree without any change.**

In addition, the Department of Statistics has a new [undergraduate major in statistics](#). Courses completed as part of the undergraduate minor may be used to fulfill some requirements of the statistics major. Contact statistics major advisor at (614) 292-6961 if you are interested in pursuing a major in statistics.

How to use these transition grids.

First, identify the appropriate grid (page 2 or 3). Second, find the courses that you have already completed as marked by Xes in the leftmost columns (Completed Courses). Then, follow the sub-row that corresponds to your planned graduation date, as indicated in the 5th column (Planned Graduation Date). The recommended changes and corresponding total credit hours are noted in the corresponding 6th and 7th columns. Students who have already declared the statistics minor before Autumn 2018 are not required to make any changes to their declared program.

Prerequisites.

Math prerequisites are not scheduled in the transition grids.

Calculus II is a prerequisite for the minor under both the pre-AU18 and the proposed curricula. Calculus III is **not** a prerequisite for the proposed minor curriculum.

Linear algebra is currently a co-requisite for STAT 3301, but this co-requisite **may** be waived by the course instructor (especially upon completion of supplementary learning activities – contact the [Undergraduate Coordinator](#) for more information). The transition grids include suggested program revisions both for students who have and who have not completed LA, assuming that the LA co-requisite is waived for STAT 3301. The proposed minor curriculum includes a choice of STAT 3302 or STAT 3410. Linear algebra (MATH 2568) is a prerequisite for STAT 3302, but not for STAT 3410. Also note that MATH 2568 has a Calculus III prerequisite.

R for Data Science.

Students who have taken the STAT 4201/4202 sequence can only enroll in STAT 3301 if they have already completed additional training in computing for data science using R. A pilot course that satisfies this requirement (Stat 4194) is being offered for 2 credits in Spring 2019. We plan to propose a permanent course that would be offered every spring, but this is still under development. Please contact the [Undergraduate Coordinator](#) if you need assistance enrolling.

Students without overlapping requirements

| Completed Courses as of AU18 | | | | Planned Graduation Date | Recommended Change (years may be adjusted for those planning to graduate in Spring 2020 or later) | Total Credits |
|---------------------------------|------|------|------|----------------------------|---|------------------|
| 4201 | 4202 | 5301 | 5302 | | | |
| X | | | | AU19 | SP19: STAT 4202; STAT 4194 R for Data Science 2019-20: STAT 3301 and STAT 3410 in AU | 15 |
| | | | | SP20 or later | SP19: STAT 4202; STAT 4194 R for Data Science 2019-20: <i>option 1</i> : STAT 3301 in AU; STAT 3302 in SP (LA prerequisite) <i>option 2</i> : STAT 3301 and STAT 3410 in AU | 16 |
| X | X | | | AU19 | SP19: Stat 4194 R for Data Science 2019-20: STAT 3301 and STAT 3410 in AU | 16 |
| | | | | SP20 or later | SP19: Stat 4194 R for Data Science 2019-20: <i>option 1</i> : STAT 3301 in AU; STAT 3302 in SP (LA prerequisite) <i>option 2</i> : STAT 3301 and STAT 3410 in AU | 16 |
| X | | X | | SP19 | None; complete the minor requirements as planned. | 15 |
| | | | | AU19 or later | SP19: STAT 4202; STAT 4194 R for Data Science 2019-20: STAT 3301 in AU | 17 |
| X | X | X | | SP19 | None; complete the minor requirements as planned. | 15 |
| | | | | AU19 or later | SP19: STAT 4194 R for Data Science 2019-20: STAT 3301 in AU | 17 |
| X | | X | X | Any semester | None; complete the minor requirements as planned. | 15 |
| | | X | | AU19 | None; complete the minor requirements as planned. | 14 |
| | | | | SP20 | SP19: STAT 5302 2019-20: STAT 3201 in AU; STAT 3202 in SP | 14 |
| | | | | AU20 or later | SP19-SP20: STAT 3201 and STAT 3202 in AU or SP (must be taken in order) 2020-21: STAT 3301 in AU | 14 |
| | | X | X | AU19 or later | STAT 3201 in AU or SP; STAT 3202 in AU or SP (must be taken in order) | 14 |
| X | X | X | X | Any semester | None; you have already completed the minor requirements. Contact the statistics major advisor at (614) 292-6961 if you are interested in pursuing a major in statistics . | 15 |

Mathematics and Actuarial Science Majors

Note that this grid does not include supplemental elective courses, **nor the time needed to fit them into your schedule before graduation.**

| Completed Core Courses as of AU18 | | | | Planned Graduation Date | Recommended Change (years may be adjusted for those planning to graduate in Spring 2020 or later) | Total Credits* |
|--------------------------------------|------|------|------|----------------------------|--|-------------------|
| 4201 | 4202 | 5301 | 5302 | | | |
| X | | | | AU19 | None; complete the minor requirements as planned. | 7 |
| | | | | SP20 or later | SP19: STAT 4202; STAT 4194 R for Data Science in SP 2019-20: <i>option 1</i> : STAT 3301 in AU; STAT 3302 in SP (LA prerequisite) <i>option 2</i> : STAT 3301 and STAT 3410 in AU | 8 |
| X | X | | | SP20 or later | SP19: STAT 4194 R for Data Science 2019-20: <i>option 1</i> : STAT 3301 in AU; STAT 3302 in SP (LA prerequisite) <i>option 2</i> : STAT 3301 and STAT 3410 in AU | 8 |
| X | | X | | AU19 or earlier | None; complete the minor requirements as planned. | 7 |
| | | | | SP20 or later | SP19: STAT 4202; STAT 4194 R for Data Science in SP 2019-20: STAT 3301 in AU | 9 |
| X | X | X | | AU19 or earlier | None; complete the minor requirements as planned. | 7 |
| | | | | SP20 or later | SP19: STAT 4194 R for Data Science 2019-20: STAT 3301 in AU | 9 |
| X | | X | X | Any semester | None; complete the minor requirements as planned. | 7 |
| | | X | | AU20 or earlier | None; complete the minor requirements as planned. | 7 |
| | | | | SP21 or later | SP19: STAT 4194 R for Data Science in SP; STAT 4201 in SP (or AU19) 2019-20: STAT 4202 in AU or SP (must be taken in order) 2020-21: STAT 3301 in AU | 9 |
| | | X | X | Any semester | None; complete the minor requirements as planned. | 7 |
| X | X | X | X | Any semester | None; you have already completed the core minor requirements. Contact the statistics major advisor at (614) 292-6961 if you are interested in pursuing a major in statistics . | 7 |

*This is the total credits toward the minimum of 12 unique hours required for the undergraduate minor in statistics. See the next page for suggested electives to achieve the total of 12 unique hours. The variable number of total credits is due to the as yet to-be-determined number of credit hours for the R for Data Science course.

Commonly approved supplemental electives

| Course | Credits | Typical Offering | Prerequisites |
|--|---------|------------------|---|
| Pre-approved sections of STAT 4194 (e.g., R for Data Science) | 1-2 | Spring | GE Data Analysis course |
| STAT 3302 Statistical Modeling for Discovery II (If not used to fulfill core requirements) | 3 | Spring | STAT 3301 and MATH 2568 |
| STAT 3303 Bayesian Analysis and Statistical Decision Making | 3 | Spring | STAT 3301, or permission of instructor (email inquiry) |
| STAT 3410 Principles of Data Collection and Analysis (If not used to fulfill core requirements) | 3 | Autumn | STAT 3201 and 3202, or STAT 4201 and 4202 and R for Data Science |
| STAT 4620 Introduction to Statistical Learning | 2 | Autumn | STAT 3302 |
| STAT 5550 Introductory Time Series Analysis | 3 | Spring | STAT 3301, or STAT 4202 and 5302 |
| STAT 5740 Introduction to SAS Software | 2 | Autumn | STAT 5302, or permission of instructor (email inquiry) |