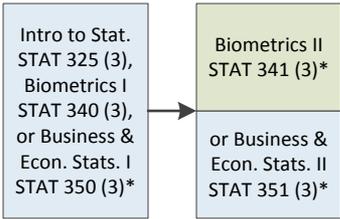
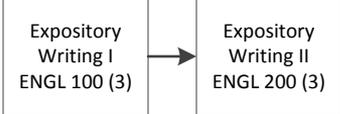
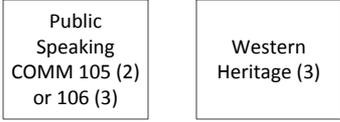
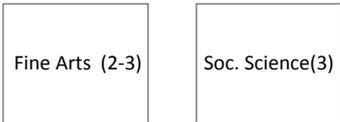
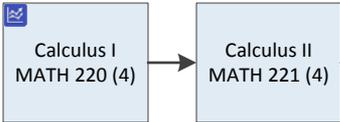


# Statistics and Data Science (BS) + Math (BS): Sample Curriculum

## First Year

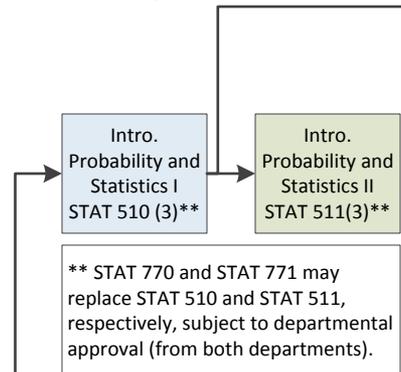


\* STAT courses at the 400-level or higher may replace either or both of the 300-level STAT courses in this sequence, but credit may be received for only one of STAT 701 or STAT 703

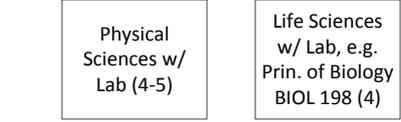
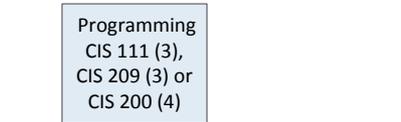
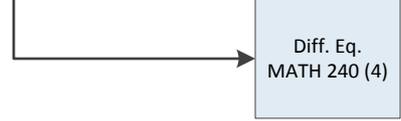
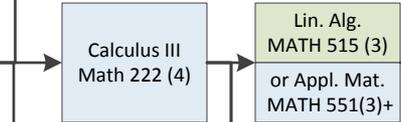


15-17 credits      16 credits

## Sophomore Year

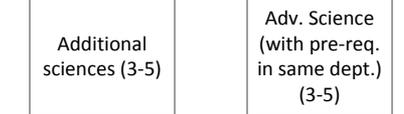
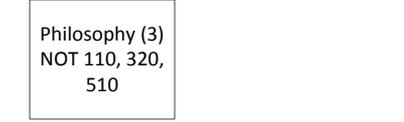
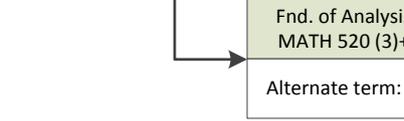
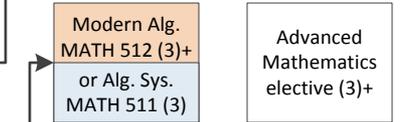
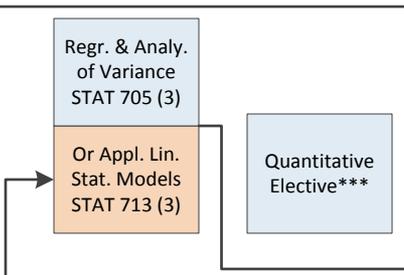


\*\* STAT 770 and STAT 771 may replace STAT 510 and STAT 511, respectively, subject to departmental approval (from both departments).



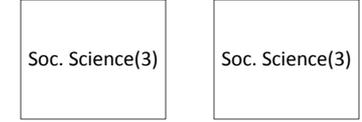
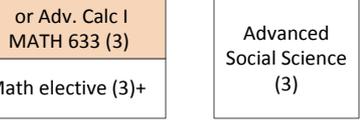
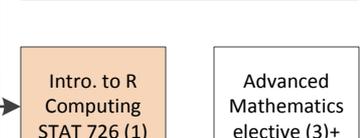
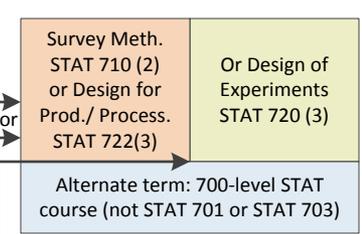
14-16 credits      17 credits

## Junior Year



15-17 credits      15-17 credits

## Senior Year



14 credits      15 credits

## Notes:

The following also needs to be considered in the College-level general education requirements:

- The social science courses need to be from three different disciplines.
- One social science course must be 500+ or carry a prerequisite in the same department.
- One of the general education courses needs to fulfill the International Overlay requirement.

\*\*\* The quantitative electives must bring the statistics core classes to 50 credits (the number of classes required to do this may vary). Courses must be at the 400-level or above and may include IMSE 541, IMSE 785, ECON 630, math, computer science, statics (excluding 701 and 703) or a course in another area with substantial quantitative content (ask for approval)..

+ The following are recommended advanced math electives:  
 MATH 510 (3): Discrete Math  
 MATH 540 (3) : Advanced Ordinary Differential Equations (spring only)  
 MATH 632 (3): Elementary Partial Differential Equations (spring only)  
 MATH 655 (3): Elementary Numerical Analysis

The following remaining K-State 8 requirements should be considered when selecting courses for the College-level general education requirements:

- Aesthetic Experience and Interpretive Understanding
- Ethical Reasoning and Responsibility
- Global Issues and Perspectives
- Historical Perspectives
- Human Diversity within the U.S.
- Natural and Physical Science
- Social Sciences

The BS also requires 120 credits; 45 in upper-division courses. Additional courses may be needed to fulfill this.

**Total Hours: 120+**