PURDUE UNIVERSITY

Applied Statistics
College of Science

2018-2019

Program Progression Guide

Disclaimer: The 2018-2019 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2018, Spring 2019, and Summer 2019 semesters. The Program Progression Guide assists students in the development of an individualized 8-semester plan. Students are encouraged to use this guide, myPurduePlan* (online degree auditing tool) and the Student Educational Planner (SEP) as they work with their academic advisor towards the completion of their degree requirements.
Notification: Each student is ultimately responsible for knowing, monitoring and completing all degree requirements.

An undergraduate degree in the College of Science requires completion of the following degree requirements.

University Degree Requirements		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000 and above) at a Purdue University campus

University Core Curriculum**	
• Human Cultures: Behavioral/Social Science • Human Cultures: Humanities • Information Literacy • Oral Communication	• Quantitative Reasoning • Science • Science, Technology & Society Selective • Written Communication

Required Major Program Courses
A minimum of 32 semester credits of upper level (30000+) required. Students must earn a 2.0 average GPA among required MA/STAT/IE courses required for major. Calculus I, II and III must have a grade of C or higher.

College of Science Core Curriculum		
• Freshman Composition: 3-4 credits • Technical Writing and Presentation: 3-6 credits • Teaming & Collaboration (NC) • General Education - 9 credits	• Foreign Language & Culture: 0-9 credits • Great Issues - 3 credits • Laboratory Science: 6-8 credits • Multidisciplinary: 0-3 credits	• Mathematics: 6-10 credits • Statistics: 3 credits • Computing: 3-4 credits

Degree Electives
Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. Consult the No Count course list for courses which may not be used to meet any College of Science degree requirement.

* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

** University Core Curriculum Outcomes may be met through completion of the College of Science Core curriculum. Students should consult with their academic advisors and myPurdue Plan for course selections.

2018-19 Applied Statistics Degree Progression Guide

The Statistics Department has *suggested* the following degree progression guide for the Applied Statistics Degree. Students will work with their academic advisors to determine their best path to degree completion. Course pre-requisites are specific to this degree plan. Courses meeting the College of Science Core Curriculum requirements are marked with "SCC" and a letter corresponding to the legend below:

College of Science Core Curriculum (SCC)

A. Freshman Composition
B. Technical Writing and Presentation
C. Teaming and Collaboration
D. General Education
E. Foreign Language and Culture
F. Great Issues
G. Laboratory Science
H. Multidisciplinary
I. Mathematics
J. Statistics
K. Computing

Credit	Fall 1st Year	Prerequisite	Credit	Spring 1st Year	Prerequisite
4-5	Calculus I Option SCC-I	ALEKS 85+	4-5	Calculus II Option SCC-I	Calculus I, C- or higher
3-4	ENGL 10600/10800 First Year Composition SCC-A		3-4	Computing Option (rec CS 17700 & meets Teambuilding and Collaboration Experience) SCC-K	
3-4	Language I Option SCC-E		3-4	Language II Option SCC-E	Language 10100
1	Free Elective (STAT 19000 First Year Statistics Seminar)		3	Free Elective	
4	Free Elective		2	Free Elective	
15-18			**15-18**		

Credit	Fall 2nd Year	Prerequisite	Credit	Spring 2nd Year	Prerequisite
4-5	Calculus III Option CC	Calculus II, C- or higher	3	MA 35100 Elementary Linear Algebra	Calculus III, C- or higher
3	General Education I Option SCC-D		3	STAT 35000 Introduction to Statistics SCC-J	Calculus II, C- or higher
3-4	Language III/Culture/Diversity Option SCC-E	See Course Info	3-6	Technical Writing Option and Technical Presenting Option (COM 21700) SCC-B	
5	Free Elective		3-6	Free Elective	
15-17			**15**		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
3	MA 36200 or STAT 42000	Varies by Class	3-4	Applied STAT Selective	Varies by Class
3	MA/STAT 41600 CC Probability (or STAT 51600)	Calculus III, C- or higher	3	STAT 41700 Statistical Theory (or STAT 51700)	STAT 41600 & 35000 C- or higher
3-4	Laboratory Science I Option SCC-G		3-4	Laboratory Science II Option SCC-G	Lab Sci Option I
3	Free elective		6	Free Elective	
3	Free Elective				
15-16			**15-17**		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	STAT 51200 Applied Regression Analysis	STAT 35000 or 41700 C- or higher	3-4	Applied STAT Selective	Varies by Class
3	General Education II Option SCC-D		3	General Education III Option SCC-D	
3	Multidisciplinary Experience SCC-H		3	Great Issues Option SCC-F	Jr/Sr Standing; may require COM or ENGL
6-9	Free Elective (Science, Technology & Society Selective Course)		6	Free Elective	
15-18			**15**		

Superscript of CC (eg Calculus I Option^{CC}) indicates a Critical Course. Student should earn minimum of a C.
Courses in ( ) are recommended.