Statistics: Business Essentials, BS

# STATISTICS: BUSINESS ESSENTIALS, BS

# **Degree Requirements**

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

General Education Requirements  English Composition  See Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/#english-composition)  ENGL 1113 Composition I  Select one of the following: 3  ENGL 1213 Composition II  ENGL 1413 Critical Analysis and Writing II  ENGL 323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3  or HIST 1483 American History to 1865 (H)  or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A)  MATH 2153 Calculus II (A)  MATH 2153 Calculus II (A)  MATH 2153 Calculus II (A)  Mumanities (H)  Courses designated (H)  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal Diversity (D) course  Select at least one International Dimension (I)  May be completed in any part of the degree plan  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2. 8. 3	Code	Title	Hours
See Academic Regulation 3.5 (http://catalog.okstate.edu/ university-academic-regulations/#english-composition)  ENGL 1113 Composition I or ENGL 1313 Critical Analysis and Writing I  Select one of the following: ENGL 1213 Composition II ENGL 1213 Composition II ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government  3 Analytical & Quantitative Thought (A) MATH 2144 Calculus I (A) MATH 2153 Calculus II (A)  4 MATH 2153 Calculus II (A)  Must include one Laboratory Science (L) course.  Courses designated (N)  Social & Behavioral Sciences (S) SPCH 2713 Introduction to Speech Communication (S) 3 Additional General Education  Courses designated (A), (H), (N), or (S)  40  Diversity (D) & International Dimension (I) May be completed in any part of the degree plan Select at least one Diversity (D) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt)  Arts & Humanities  See note 2.a.  3 Select at least one 2.a.	General Education R	equirements	
university-academic-regulations/#english-composition)  ENGL 1113 Composition I 3 or ENGL 1313 Critical Analysis and Writing I  Select one of the following: 3  ENGL 1213 Composition II  ENGL 1413 Critical Analysis and Writing II  ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	<b>English Composition</b>		
ENGL 1113 Composition I 3 or ENGL 1313 Critical Analysis and Writing I Select one of the following: 3 ENGL 1213 Composition II ENGL 1413 Critical Analysis and Writing II ENGL 3323 Technical Writing American History & Government HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH) POLS 1113 American Government 3 Analytical & Quantitative Thought (A) MATH 2144 Calculus I (A) 4 MATH 2153 Calculus II (A) 3 Humanities (H) Courses designated (H) 6 Natural Sciences (N) Must include one Laboratory Science (L) course. Courses designated (N) 6 Social & Behavioral Sciences (S) SPCH 2713 Introduction to Speech Communication (S) 3 Additional General Education Courses designated (A), (H), (N), or (S) 3 Hours Subtotal 40 Diversity (D) & International Dimension (I) May be completed in any part of the degree plan Select at least one Diversity (D) course Select at least one International Dimension (I) course College/Departmental Requirements First-Year Seminar (Transfer students with 15 hours exempt) 1 Arts & Humanities See note 2.a. 3	See Academic Regu	lation 3.5 (http://catalog.okstate.edu/	
or ENGL 1313 Critical Analysis and Writing I  Select one of the following: 3  ENGL 1213 Composition II  ENGL 1413 Critical Analysis and Writing II  ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3  or HIST 1483 American History to 1865 (H)  or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 4  MATH 2153 Calculus II (A) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	university-academic	-regulations/#english-composition)	
Select one of the following:  ENGL 1213 Composition II  ENGL 1413 Critical Analysis and Writing II  ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3  or HIST 1483 American History to 1865 (H)  or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 4  MATH 2153 Calculus II (A) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	ENGL 1113	Composition I	3
ENGL 1213 Composition II ENGL 1413 Critical Analysis and Writing II ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	or ENGL 1313	Critical Analysis and Writing I	
ENGL 1413 Critical Analysis and Writing II ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	Select one of the fol	lowing:	3
ENGL 3323 Technical Writing  American History & Government  HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	ENGL 1213	Composition II	
American History & Government  HIST 1103 Survey of American History 3 or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	ENGL 1413	Critical Analysis and Writing II	
HIST 1103 Survey of American History or HIST 1483 American History to 1865 (H) or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	ENGL 3323	Technical Writing	
or HIST 1483 American History to 1865 (H) or HIST 1493 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H) Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	American History & G	Povernment	
or HIST 1493 American History Since 1865 (DH)  POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	HIST 1103	Survey of American History	3
POLS 1113 American Government 3  Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	or HIST 1483	American History to 1865 (H)	
Analytical & Quantitative Thought (A)  MATH 2144 Calculus I (A) 4  MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	or HIST 1493	American History Since 1865 (DH)	
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MATH 2153 Calculus II (A) 3  Humanities (H)  Courses designated (H) 6  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	Analytical & Quantita	tive Thought (A)	
Humanities (H)  Courses designated (H)  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N)  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	MATH 2144	Calculus I (A)	4
Courses designated (H)  Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N)  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	MATH 2153	Calculus II (A)	3
Natural Sciences (N)  Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	Humanities (H)		
Must include one Laboratory Science (L) course.  Courses designated (N) 6  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3			6
Courses designated (N)  Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3			
Social & Behavioral Sciences (S)  SPCH 2713 Introduction to Speech Communication (S) 3  MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	Must include one La	boratory Science (L) course.	
SPCH 2713 Introduction to Speech Communication (S) 3 MGMT 3013 Fundamentals of Management (S) 3 Additional General Education Courses designated (A), (H), (N), or (S) 3 Hours Subtotal 40 Diversity (D) & International Dimension (I) May be completed in any part of the degree plan Select at least one Diversity (D) course Select at least one International Dimension (I) course College/Departmental Requirements First-Year Seminar (Transfer students with 15 hours exempt) 1 Arts & Humanities See note 2.a. 3			6
MGMT 3013 Fundamentals of Management (S) 3  Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3			
Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	SPCH 2713	Introduction to Speech Communication (S)	3
Additional General Education  Courses designated (A), (H), (N), or (S) 3  Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	MGMT 3013	Fundamentals of Management (S)	3
Hours Subtotal 40  Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3			
Diversity (D) & International Dimension (I)  May be completed in any part of the degree plan  Select at least one Diversity (D) course  Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt)  1  Arts & Humanities  See note 2.a.  3			3
May be completed in any part of the degree plan Select at least one Diversity (D) course Select at least one International Dimension (I) course College/Departmental Requirements First-Year Seminar (Transfer students with 15 hours exempt) 1 Arts & Humanities See note 2.a. 3			40
Select at least one Diversity (D) course Select at least one International Dimension (I) course College/Departmental Requirements First-Year Seminar (Transfer students with 15 hours exempt) 1 Arts & Humanities See note 2.a. 3	Diversity (D) & Interi	national Dimension (I)	
Select at least one International Dimension (I) course  College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	* * *		
College/Departmental Requirements  First-Year Seminar  (Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3			
First-Year Seminar (Transfer students with 15 hours exempt)  Arts & Humanities See note 2.a.  3			
(Transfer students with 15 hours exempt) 1  Arts & Humanities  See note 2.a. 3	College/Department	al Requirements	
Arts & Humanities See note 2.a. 3	First-Year Seminar	·	
Arts & Humanities See note 2.a. 3	(Transfer students with 15 hours exempt)		
200.000 = 00			
Natural & Mathematical Cajanasa	See note 2.a.		3
Natural & Inathematical Sciences	Natural & Mathematical Sciences		

CS 2133 Differential Equations  CS 3513 Numerical Methods for Digital Computers or CS 4513 Introduction to Numerical Analysis  Foreign Language  0-6 hours. See note 3.  Upper-Division General Education  Select 6 hours outside major department. See note 2.c.  Hours Subtotal  Major Requirements  Minimum GPA 2.50 with a minimum grade of "C" in each course.  No more than 29 hours from ACCT, BADM, ECON, EEE, FIN, LSB, MGMT, MKTG, MSIS may be applied to the degree.  Statistics Core Courses:  MATH 2163 Calculus III  MATH 3013 Linear Algebra (A)  STAT 4013 Statistical Methods I (A)  STAT 4023 Statistical Methods I (A)  STAT 4043 Applied Regression Analysis  STAT 4193 SAS and R Programming  STAT 4203 Mathematical Statistics II  STAT 4213 Mathematical Statistics II  STAT 4981 Statistics Capstone II  Area of Application:  9 hours to be selected from upper-division CS, ECON, FIN, IEM, MATH (excluding MATH 3303, 3404, or 3603), MSIS, STAT (no more than 3 hours of STAT 4980).  ACCT 2003 Microeconomic Principles for Business  EEE 2023 Introduction to Entrepreneurship  LSB 3213 Legal and Regulatory Environment of Business  MSIS 2103 Business Data Science Technologies  Hours Subtotal  Electives  Select 24 hours.  May need 6 hours of a foreign language. See note 3.  May need 10 include 6 hours upper-division general education outside major department. See note 2.c.  MATH 1513 and MATH 1813 required for students who do not place directly into MATH 2144.  Hours Subtotal  Total Hours  1	Total Hours		120
or MATH 2233 Differential Equations CS 3513 Numerical Methods for Digital Computers or CS 4513 Introduction to Numerical Analysis Foreign Language 0-6 hours. See note 3. Upper-Division General Education Select 6 hours outside major department. See note 2.c. Hours Subtotal Major Requirements Minimum GPA 2.50 with a minimum grade of "C" in each course. No more than 29 hours from ACCT, BADM, ECON, EEE, FIN, LSB, MGMT, MKTG, MSIS may be applied to the degree. Statistics Core Courses: MATH 2163 Calculus III MATH 3013 Linear Algebra (A) STAT 4013 Statistical Methods I (A) STAT 4023 Statistical Methods II STAT 4043 Applied Regression Analysis STAT 4403 SAS and R Programming STAT 4203 Mathematical Statistics II STAT 4203 Mathematical Statistics II STAT 4981 Statistics Capstone II Area of Application: 9 hours to be selected from upper-division CS, ECON, FIN, IEM, MATH (excluding MATH 3303, 3404, or 3603), MSIS, STAT (no more than 3 hours of STAT 4980). ACCT 2003 Survey of Accounting MKTG 3213 Marketing (S) 1 hours from: ECON 2003 Microeconomic Principles for Business EEE 2023 Introduction to Entrepreneurship LSB 3213 Legal and Regulatory Environment of Business MSIS 2103 Business Data Science Technologies Hours Subtotal Electives Select 24 hours. May need 6 hours of a foreign language. See note 3. May need 1 include 6 hours upper-division general education outside major department. See note 2.c. MATH 1513 and MATH 1813 required for students who do not place directly into MATH 2144.			
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or CS 1113 Computer Science I (A)	or CS 1113	, , ,	
CS 1103 Computer Programming (A)	03 1103	Computer Programming (A)	3

# **Other Requirements**

- See the College of Arts and Sciences Requirements.
- **Upper-Division Credit**: Total hours must include at least 40 hours in courses numbered 3000 or above.

# College of Arts and Sciences Requirements

 Hours in One Department: For B.A. and B.S. degrees, no more than 54 hours in one department may be required to meet degree requirements. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements will not count toward the 54hour maximum required from one department.

#### 2. A&S College/Departmental Requirements

- a. Arts and Humanities are defined as any course carrying an

   (H) designation or courses from AMST, ART, DANC, ENGL
   (except ENGL 3323 Technical Writing) HIST, MUSI, PHIL (except PHIL 1313 Logic and Critical Thinking (A), PHIL 3003 Symbolic Logic (A) and PHIL 4003 Mathematical Logic and Computability), REL, TH, and foreign languages.
- b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, CHEM, CS (except CS 4883 Social Issues in Computing), GEOL, MATH, MICR, PBIO, PHYS, and STAT; or courses from other departments that carry an (A) or (N) general education designation.
- c. Six upper-division hours are required from General Education or any CAS courses outside the student's major department (http:// catalog.okstate.edu/college-arts-sciences-major-departments/). This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- d. Non-Western Studies Requirement for B.A. and B.F.A.; One course in Non-Western Studies (N.W.). This requirement may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- e. The College of Arts & Sciences requires a minimum 2.0 GPA in all major requirements and a minimum 2.0 GPA in all major-prefix courses applied to the degree.

#### 3. Foreign Language Proficiency

- a. The foreign language requirement for the B.A. may be satisfied by 9 hours college credit in the same language, which must include 3 hours at the 2000-level, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement. Currently Arabic and Mvskoke are not offered at the 2000-level at OSU.
- b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second-year level of study). It may also be satisfied by 6 hours college credit in the same language, which must include language courses 1713 and 1813, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.
- In addition to a. and b., students pursuing teacher certification must meet novice-high foreign language proficiency by presenting a high school transcript which demonstrates two

years of study of a single foreign language with no grade below B. Or, students may complete 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

Exclusions. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

### Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; onefourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2029.

## **Example Plan of Study**

Finish in Four Plan of Study

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

Course	Title	Hours
Freshman		
Fall		
MATH 2144	Calculus I (A)	4
General Education and Elective courses (MSIS 2103 recommended)		11
	Hours	15
Spring		
MATH 2153	Calculus II (A)	3
ECON 2003	Microeconomic Principles for Business	3
ACCT 2003	Survey of Accounting	3
General Education courses		6
	Hours	15
Sophomore		
Fall		
MATH 2163	Calculus III	3
STAT 4013	Statistical Methods I (A)	3
MGMT 3013	Fundamentals of Management (S)	3
General Education courses		6
	Hours	15
Spring		
MATH 3013	Linear Algebra (A)	3
STAT 4023	Statistical Methods II	3

	Total Hours	120
	Hours	1:
Major, College, and El	lective courses	1
STAT 4991	Statistics Capstone II (if Industry bound)	
STAT 4213	Mathematical Statistics II	;
Spring		
	Hours	1:
Major, College, and El	lective courses	į
3 hours from Area of		
STAT 4981	Statistics Capstone I (if Grad School bound)	
CS 3513 or CS 4513	Numerical Methods for Digital Computers or Introduction to Numerical Analysis	;
STAT 4203	Mathematical Statistics I	
Fall		
Senior		
	Hours	1
Major, College, and El	**	Ġ
3 hours from Area of Application		
STAT 4043	Applied Regression Analysis	3
Spring		•••
,	Hours	1!
Major, College, and El		
3 hours from Area of	·	
CS 2133 or MATH 2233	Computer Science II or Differential Equations	3
STAT 4193	SAS and R Programming	;
Fall		
Junior		
	Hours	1:
College and Elective	courses	3
MKTG 3213	Marketing (S)	;
or CS 1113	Computer Programming (A) or Computer Science I (A)	(
CS 1103	Computer Programming (A)	