

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
COLLEGE OF ARTS AND SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2019 through Spring 2020

General Requirements	
Minimum Total Credit Hours	120
Minimum Upper-Division Hours	48
Major Hours	45
Upper-Division Hours within Major	27
Minimum Retention/Graduation Grade Point Averages:	
Overall - Combined and OU	2.00
Major - Combined and OU	2.00

Program
Information Science and Technology
B557
Bachelor of Science

GENERAL EDUCATION AND COLLEGE REQUIREMENTS

Courses graded P/NP will not apply

Courses for fulfillment of General Education and College of Arts & Sciences requirements must be from the approved General Education course list published in the Class Schedule or at <http://www.ou.edu/gened/courses>.

UNIVERSITY-WIDE GENERAL EDUCATION (MINIMUM 40 HOURS) AND COLLEGE REQUIREMENTS

Code	Title	Credit Hours
Core Area I: Symbolic and Oral Communication		
<i>English Composition (6 hours)</i>		
ENGL 1113	Principles of English Composition	3
ENGL 1213	Principles of English Composition	3
or EXPO 1213	Expository Writing	
<i>Foreign Language (0-13 hours in the same language)</i>		
The college requirement cannot be met by high school coursework.		
	Beginning Course	0-5
	Beginning Course, continued	0-5
	Intermediate Course (2000 level) ^{1,2}	0-3
<i>Mathematics (3 hours)</i>		
	Choose one course from the General Education Mathematics list	3
Core Area II: Natural Science (7 hours, including one laboratory component)		
<i>Biological Science</i>		
	Choose an approved General Education Natural Science course with one of the following prefixes: BIOL, HES, MBIO, or PBIO ¹	3-4
<i>Physical Science</i>		
	Choose an approved General Education Natural Science course with one of the following prefixes: AGSC, ASTR, CHEM, GEOG, GEOL, GPHY, METR, or PHYS ¹	3-4
Core Area III: Social Science (6 hours)		
P SC 1113	American Federal Government	3
	Choose one course from the General Education Social Science list	3
Core Area IV: Humanities (18 hours)		
<i>Understanding Artistic Forms</i>		
	Choose one course from the General Education Artistic Forms list	3
<i>Western Civilization and Culture</i>		
HIST 1483	United States, 1492 to 1865	3
or HIST 1493	United States, 1865 to the Present	
	Choose one course from the General Education Western Civilization & Culture list (excluding HIST 1483/1493)	3
<i>Non-Western Culture</i>		
	Choose one course from the General Education Non-Western Culture list	3
<i>Additional Core IV Upper-Division Humanities courses</i>		
	Choose one course from Understanding Artistic Forms, Western Civilization & Culture, or Non-Western Culture ^{1,3}	3
	Choose one course from Understanding Artistic Forms, Western Civilization & Culture, or Non-Western Culture ^{1,3}	3
Core Area V: Senior Capstone Experience (3 hours)		
	Choose one General Education Capstone course	3
Total Credit Hours		56

¹College of Arts and Sciences Requirements: college requirements are not automatically fulfilled by a previous degree.

²One course at the intermediate level or demonstrated competency at that level

³6 upper-division hours, 2 courses, at the 3000- 4000-level. **Must be outside the major.**

FREE ELECTIVES

Electives to bring total applicable hours to the minimum total required for the degree including 48 upper-division hours.

MAJOR REQUIREMENTS

Some courses required for the major may also fulfill University General Education and/or College of Arts & Sciences Requirements.

A grade of C or better is required in each major course. LIS prefix courses must be completed within a maximum of two attempts per course.

Code	Title	Credit Hours
Information Science and Technology Core		
LIS 2003	Introduction to Information Studies	3
LIS 4063	Information and Communication Technology	3
LIS 4643	Introduction to Data Analytics	3
LIS 4683	Database Design for Information Organizations	3
LIS 4823	Internship in Information Studies	3
LIS 4663	Information Studies Capstone	3
Data Science & Analytics		
	Choose 6 hours ¹	6
Design & Development		
	Choose 6 hours ¹	6
Information & People		
LIS 1013	Acquiring Knowledge in the Digital Age	3
LIS 4523	Online Information Retrieval	3
Information Science & Technology in Context		
	Choose 6 hours ¹	6
Technical Writing		
	Choose 3 hours ¹	3
Total Credit Hours		45

¹The list of approved courses for this category is available from the School of Library & Information Studies.

MAJOR SUPPORT REQUIREMENTS

Code	Title	Credit Hours
<i>Economics</i>		
ECON 1113	Principles of Economics-Macro	3
ECON 1123	Principles of Economics-Micro	3
<i>Math Prerequisite (3 hours) ¹</i>		
MATH 1643	Functions and Modeling for Business, Life and Social Sciences	3
<i>Calculus</i>		
MATH 1743	Calculus I for Business, Life and Social Sciences	3
<i>Public Speaking</i>		
COMM 2613	Public Speaking	3
<i>Programming Concepts</i>		
C S 1313	Programming for Non-Majors with C	3
<i>Statistics</i>		
	Choose one course (3 hours) from the Statistics Major Support course list.	3
<i>Additional Math or Statistics</i>		
	Choose one course (3 hours) from the following:	3
ECON 4223	Econometric Analysis	
MATH 2123	Calculus II for Business, Life and Social Sciences	
MATH 4793	Advanced Applied Statistics	
Total Credit Hours		24

¹Students may test out of the prerequisite course and take only MATH 1743.

STATISTICS MAJOR SUPPORT COURSE LIST

Code	Title	Credit Hours
ANTH 4713	Statistical Concepts in Anthropology	3
BIOL 2913	Intro to Quantitative Biology	3
BIOL 4933	Introduction to Matlab Programming for Life Sciences	3
COMM 2513	Introduction to Statistics	3

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ECON 2843	Elements of Statistics	3
MATH 4753	Applied Statistical Methods	3
SOC 3123	Social Statistics	3
PSY 2003	Understanding Statistics	3
PSY 2113	Research Methods I: Statistics	3

More information in the catalog: (<http://ou-public.courseleaf.com/arts-sciences/library-information-studies/information-science-technology-bachelor-science/>).

INFORMATION CONCERNING GENERAL RULES, REGULATIONS AND MINIMUM REQUIREMENTS

Arts and Sciences Hours: At least 80 semester hours of liberal arts and sciences courses are required for a BA degree. At least 55 semester hours of liberal arts and sciences courses are required for a BS degree.

Pass/No Pass Enrollment: A maximum of 16 semester hours of free elective credit may be attempted under this option.

Individual Studies (e.g., courses titled "Independent Study"): A maximum of 12 total semester hours may be counted toward graduation, excluding Honors Reading and Honors Research.

P.E. Courses: No physical education activity courses will be counted toward the 120 semester hours of acceptable credit for graduation.

Senior Institution Hours: A minimum of 60 semester hours applied toward graduation must be earned at senior (4-year) institutions.

Residency:

- At least 15 of the final 30 hours applied toward the degree or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at the awarding institution.
- At least 15 semester hours of upper-division major work must be completed in residence at OU.
- OU correspondence courses are *not* considered resident credit.

Grade Point Averages: Students must earn a minimum over all 2.00 for each of the following: Combined Retention GPA (all college grades), OU Retention GPA, GPA for all major courses, and GPA for all major courses taken at OU. Some schools and departments of the College have higher minimum grade point averages required for their students.

Special Degrees: Students may qualify for an Honors degree (cum Laude, Magna cum Laude, or Summa cum Laude) by completing specific requirements of the Honors College. A degree will be earned with Distinction if the student completes at least 60 semester hours at OU with at least a 3.60 combined retention GPA and OU retention GPA. A degree will be earned with Special Distinction if the student completes at least 60 semester hours at OU with at least a 3.90 combined retention GPA and OU retention GPA.

SUGGESTED SEMESTER PLAN OF STUDY

This plan shows one possible grouping of courses that would allow students to graduate in four years. Please refer to the front of the degree checksheet for official requirements. Students must consult with College of Arts and Sciences and/or School of Library and Information Studies academic advisers to verify that courses selected each semester fulfill the recommended plan and satisfy university, College of Arts and Sciences, and Information Science & Technology major requirements.

Year	FIRST SEMESTER		Hours	SECOND SEMESTER		Hours
FRESHMAN	ENGL 1113	Principles of English Composition (Core I)	3	COMM 2613	Public Speaking	3
	MATH 1743	Calculus I for Business, Life and Social Sciences (Core I)	3	C S 1313	Programming for Non-Majors with C	3
	P SC 1113	American Federal Government (Core III)	3	ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
		Beginning Foreign Language (Core I)	5	HIST 1483 or HIST 1493	United States, 1492 to 1865 (Core IV) or United States, 1865 to the Present	3
		Free Elective, lower-division	1		Beginning Foreign Language continued (Core I)	5
	CREDIT HOURS		15	CREDIT HOURS		17
SOPHOMORE	LIS 1013	Acquiring Knowledge in the Digital Age	3	LIS 4643	Introduction to Data Analytics	3
	LIS 2003	Introduction to Information Studies	3	ECON 1123	Principles of Economics-Micro	3
	ECON 1113	Principles of Economics-Macro (Social Sciences Core III)	3		Statistics Major Support	3
		Gen Ed Natural Science with Lab (Core II)	4		Gen Ed Natural Science without lab (Core II)	3
		Intermediate Foreign Language	3		Non-Western Culture (Core IV)	3
	CREDIT HOURS		16	CREDIT HOURS		15
JUNIOR	LIS 4063	Information and Communication Technology	3		Design & Development Major Course, upper-division	3
	LIS 4683	Database Design for Information Organizations	3		Data Science & Analytics Major Course, upper-division	3
		Technical Writing Major Course, upper-division	3		Additional Math or Statistics Major Support	3
		Design & Development Major Course, upper-division	3		Western Civilization & Culture (Core IV)	3
		Free Elective, lower- or upper-division	3		Understanding Artistic Forms (Core IV)	3
	CREDIT HOURS		15	CREDIT HOURS		15
SENIOR	LIS 4523	Online Information Retrieval	3	LIS 4823	Internship in Information Studies	3
	LIS 4663	Information Studies Capstone	3		Info Science & Technology in Context Major Course, upper-division	3
		Data Science & Analytics Major Course, upper-division	3		Upper-division Humanities outside the major (Gen Ed)	3
		Info Science & Technology in Context Major Course, upper-division	3		Free Elective, upper-division (3000-4000-level)	3
		Upper-division Humanities outside the major (Gen Ed)	3			
	CREDIT HOURS		15	CREDIT HOURS		12