

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

Academic Year
For Students Entering the Oklahoma State System for Higher Education Summer 2024 through Spring 2025

General Requirements	
Minimum Total Credit Hours .....	120
Minimum Upper-Division Hours .....	48
Major Hours .....	42
Upper-Division Hours within Major .....	24
<b>Minimum Retention/Graduation Grade Point Averages:</b>	
Overall - Combined and OU .....	2.00
Major - Combined and OU .....	2.00

Program
<b>Information Science and Technology</b>
<b>B557</b>
Bachelor of Science

OU encourages students to complete at least hours of applicable coursework each year to have the opportunity to graduate in years.

**GENERAL EDUCATION AND COLLEGE REQUIREMENTS**

Courses for fulfillment of General Education and Dodge 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>. **Courses graded P/NP will not apply.**

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

Code	Title	Credit Hours
<b>Core Area I: Symbolic and Oral Communication</b>		
<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>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) <sup>1,2</sup>		0-3
<i>Mathematics (3 hours)</i>		
Choose one course from the General Education Mathematics list		
		3
<b>Core Area II: Natural Science (7 hours, including one laboratory component)</b>		
<i>Biological Science</i>		
Choose an approved General Education Natural Science course with one of the following prefixes: BIOL, HES, MBIO, or PBIO <sup>1</sup>		
		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 <sup>1</sup>		
		3-4
<b>Core Area III: Social Science (6 hours)</b>		
P SC 1113	American Federal Government	3
Choose one course from the General Education Social Science list		
		3
<b>Core Area IV: Arts and Humanities (18 hours)</b>		
<i>Artistic Forms</i>		
Choose one course from the General Education Artistic Forms list		
		3
<i>Western Culture</i>		
HIST 1483	United States to 1865	3
or HIST 1493	United States, 1865 to the Present	
Choose one course from the General Education Western Culture list (excluding HIST 1483/1493)		
		3
<i>World Culture</i>		
Choose one course from the General Education World Culture list		
		3
<i>Additional Core IV Upper-Division Arts &amp; Humanities courses</i>		
Choose one course from Artistic Forms, Western Culture, or World Culture <sup>1,3</sup>		
		3
Choose one course from Artistic Forms, Western Culture, or World Culture <sup>1,3</sup>		
		3
<b>Core Area V: First Year Experience (3 hours)</b>		
Choose one course		
		3
<b>Total Credit Hours</b>		<b>56</b>

- College of Arts and Sciences Requirements: college requirements are not automatically fulfilled by a previous degree.
- One course at the intermediate level or demonstrated competency at that level
- 6 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 Dodge 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
<b>Information Science and Technology Core</b>		
LIS 2003	Introduction to Information Science	3
LIS 3063	Essentials of IT & Informatics	3
LIS 4643	Introduction to Data Analytics	3
LIS 4683	Database Design for Information Organizations	3
LIS 4823	Internship in Information Studies	3
<b>Data Science &amp; Analytics</b>		
Choose 6 hours <sup>1</sup>		6
<b>Design &amp; Development</b>		
Choose 6 hours <sup>1</sup>		6
<b>Information &amp; People</b>		
Choose 6 hours <sup>1</sup>		6
<b>Information Science &amp; Technology in Context</b>		
Choose 6 hours <sup>1</sup>		6
<b>Technical Writing</b>		
Choose 3 hours <sup>1</sup>		3
<b>Total Credit Hours</b>		<b>42</b>

- The 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) <sup>1</sup></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 3 hours <sup>2</sup>		3
<i>Additional Math or Statistics</i>		
Choose 3 hours <sup>2</sup>		3
<b>Total Credit Hours</b>		<b>24</b>

- Students may test out of the prerequisite course and take only MATH 1743.
- The list of approved courses for this category is available from the School of Library & Information Studies.

More information in the catalog: (<http://ou-public.courseleaf.com/dodge-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.

## 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 Dodge 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
<b>FRESHMAN</b>	ENGL 1113	Principles of English Composition ( Core I )	3	COMM 2613	Public Speaking	3
	MATH 1643	Functions and Modeling for Business, Life and Social Sciences	3	C S 1313	Programming for Non-Majors with C	3
		Beginning Language (Core I)	5	ENGL 1213 or EXPO 1213	Principles of English Composition ( Core I ) or Expository Writing	3
		First Year Experience (Core V)	3	MATH 1743	Calculus I for Business, Life and Social Sciences	3
		Free Elective, lower-division	1		Beginning Language continued (Core I)	5
		<b>CREDIT HOURS</b>	<b>15</b>		<b>CREDIT HOURS</b>	<b>17</b>
<b>SOPHOMORE</b>	LIS 1013	Information and Digital Literacy	3	LIS 4643	Introduction to Data Analytics	3
	LIS 2003	Introduction to Information Science	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 Language	3		World Culture (Core IV)	3
	<b>CREDIT HOURS</b>	<b>16</b>		<b>CREDIT HOURS</b>	<b>15</b>	
<b>JUNIOR</b>	LIS 3063	Essentials of IT & Informatics	3	P SC 1113	American Federal Government ( Core III )	3
	LIS 4683	Database Design for Information Organizations	3		Design & Development Major Course, upper-division	3
	HIST 1483 or HIST 1493	United States to 1865 ( Core IV ) or United States, 1865 to the Present	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		Artistic Forms (Core IV)	3
	<b>CREDIT HOURS</b>	<b>15</b>		<b>CREDIT HOURS</b>	<b>15</b>	
<b>SENIOR</b>	LIS 4523	Online Information Retrieval	3	LIS 4823	Internship in Information Studies	3
		Data Science & Analytics Major Course, upper-division	3		Info Science & Technology in Context Major Course, upper-division	3
		Info Science & Technology in Context Major Course, upper-division	3		Western Culture (Core IV)	3
		Upper-division Arts & Humanities outside the major (Gen Ed)	3		Upper-division Arts & Humanities outside the major (Gen Ed)	3
					Free Elective, upper-division (3000-4000-level)	3
	<b>CREDIT HOURS</b>	<b>12</b>		<b>CREDIT HOURS</b>	<b>15</b>	