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

Academic Year	General Requirements		Program
For Students Entering the Oklahoma State System for Higher Education **Summer 2024 through Spring 2025**	Minimum Total Credit Hours .... 140 Minimum Upper-Division Hours .... 48 Major Hours .... 36 **Minimum Retention/Graduation Grade Point Averages:** Overall - Combined and OU .... 3.00 Major - Combined and OU 3.00		**Mathematics/Finance** **A670/F435 Q439** Bachelor of Arts/Master of Science

OU encourages students to complete at least 28 hours of applicable coursework each year to have the opportunity to graduate in 5 years.

Minimum Total Credit Hours: 140
Major Hours: 36
Minimum Upper-Division Hours: 48

Overall GPA - Combined and OU: 3.00
Major GPA - Combined and OU: 3.00

Program Code: A670/F435 Q439

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
Core Area I: Symbolic and Oral Communication		
English Composition (6 hours)		
ENGL 1113	Principles of English Composition	3
ENGL 1213	Principles of English Composition	3
or EXPO 1213	Expository Writing	
Language (0-13 hours in the same language)		
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
Mathematics (3 hours)		
Choose one course from the General Education Mathematics list		3
Core Area II: Natural Science (7 hours, including one laboratory component)		
Biological Science		
Choose an approved General Education Natural Science course with one of the following prefixes: BIOL, HES, MBIO, or PBIO [1]		3-4
Physical Science		
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: Arts and Humanities (18 hours)		
Artistic Forms		
Choose one course from the General Education Artistic Forms list		3
Western Culture		
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
World Culture		
Choose one course from the General Education World Culture list		3
Additional Core IV Upper-Division Arts & Humanities courses		
Choose one course from Artistic Forms, Western Culture, or World Culture [1,3]		3
Choose one course from Artistic Forms, Western Culture, or World Culture [1,3]		3
Core Area V: First Year Experience (3 hours)		
Choose one course		3
Total Credit Hours		**56**

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

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

[3] 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.

Undergraduate Major Requirements

- **Some courses required for the major may also fulfill University General Education and/or Dodge College of Arts & Sciences Requirements**
- **Students must earn a grade of C or better in all MATH courses at the 3000-level or higher.**

Code	Title	Credit Hours
Choose one of the following sequences:		12
Sequence A:		
MATH 1823	Calculus and Analytic Geometry I	
MATH 2423	Calculus and Analytic Geometry II	
MATH 2433	Calculus and Analytic Geometry III	
MATH 2443	Calculus and Analytic Geometry IV	
Sequence B:		
MATH 1914	Differential and Integral Calculus I	
MATH 2924	Differential and Integral Calculus II	
MATH 2934	Differential and Integral Calculus III	
MATH 2513	Discrete Mathematical Structures	3
MATH 3333	Linear Algebra I	3
MATH 3113	Introduction to Ordinary Differential Equations [1]	3
or MATH 3413	Physical Mathematics I	
Choose four additional math courses at the 3000-level or higher, including nine hours at the 4000-level or higher [2]		12
Graduate Level Math course		3
Total Credit Hours		**36**

[1] MATH 3113 and MATH 3413 overlap by 2 hours. Students who take both will earn only 4 hours of credit.

[2] No more than 6 hours may be from MATH 4733, MATH 4743, MATH 4753, MATH 4773, and MATH 4793.

M.S. in Finance Component

Code	Title	Credit Hours
Core Courses (8 hours)		
FIN 5322	Financial Derivatives	2
Graduate Electives		
30 Graduate level elective hours from a list maintained by the Division of Finance and approved by the Graduate College. Up to 12 hours of graduate level electives can be shared between the Math and MS Finance Programs. [1]		30
Total Credit Hours		**32**

[1] Shared Courses: Up to 12 hours of graduate level courses from a list maintained by the department and approved by the graduate liaison can be shared between BS and MS- FIN programs.

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 Department of Mathematics academic advisors to verify that courses selected each semester fulfill the recommended plan and satisfy University, College of Arts and Sciences, and Mathematics major requirements.

Year		FIRST SEMESTER	Hours		SECOND SEMESTER	Hours
FRESHMAN	ENGL 1113	Principles of English Composition (Core I)	3	ENGL 1213 or EXPO 1213	Principles of English Composition (Core I) or Expository Writing	3
	MATH 1823	Calculus and Analytic Geometry I (Core I)	3	HIST 1483 or HIST 1493	United States to 1865 (Core IV) or United States, 1865 to the Present	3
	P SC 1113	American Federal Government (Core III)	3	MATH 2423	Calculus and Analytic Geometry II	3
		First Year Experience (Core V)	3		Beginning Language continued (Core I)	5
		Beginning Language (Core I)	5			
		CREDIT HOURS	**17**		**CREDIT HOURS**	**14**
SOPHOMORE	MATH 2433	Calculus and Analytic Geometry III	3	MATH 2443	Calculus and Analytic Geometry IV	3
	MATH 2513	Discrete Mathematical Structures	3	MATH 3333	Linear Algebra I	3
		Intermediate Language	3		Natural Science with lab (Core II)	4
		Western Culture (Core IV)	3		Social Science (Core III)	3
		Natural Science without lab (Core II)	3		Artistic Forms (Core IV)	3
		CREDIT HOURS	**15**		**CREDIT HOURS**	**16**
JUNIOR	MATH 3113 or MATH 3413	Introduction to Ordinary Differential Equations or Physical Mathematics I	3		MATH 4000-level Elective [1]	3
		MATH 4000-level Elective [1]	3		Arts & Humanities, upper-division, outside major (Gen. Ed.)	3
		Arts & Humanities, upper-division, outside major (Gen. Ed.)	3		World Culture (Core IV)	3
		Free Elective, lower- or upper-division	3		Free Elective, upper-division (3000-4000-level)	3
		Free Elective, lower- or upper-division	1		Free Elective, upper-division (3000-4000-level)	3
		CREDIT HOURS	**13**		**CREDIT HOURS**	**15**
SENIOR		MATH 3000-4000-level Elective [1]	3		Graduate Level MATH Elective [1,2]	3
		Graduate Level MATH Elective [1,2]	3	FIN 5322	Financial Derivatives	2
		Graduate Elective [3]	2		Free Elective, upper-division (3000-4000-level)	3
		Graduate Elective [3]	2		Free Elective, upper-division (3000-4000-level)	3
		Graduate Elective [3]	2		Free Elective, upper-division (3000-4000-level)	3
		Free Elective, upper-division (3000-4000-level)	3		Free Elective, upper-division (3000-4000-level)	3
		CREDIT HOURS	**15**		**CREDIT HOURS**	**17**
		SUMMER				
		Graduate Elective [3]	2			
		Graduate Elective [3]	2			
		Graduate Elective [3]	2			
		CREDIT HOURS	**6**			
FIFTH YEAR		Graduate Elective [3]	2		Graduate Elective [3]	2
		Graduate Elective [3]	2		Graduate Elective [3]	2
		Graduate Elective [3]	2		Graduate Elective [3]	2
		CREDIT HOURS	**6**		**CREDIT HOURS**	**6**

[1]   MATH electives are subject to the restrictions listed in the Program Requirements.

[2]   Shared Courses between the B.S. in Math and MS in Finance Degree chosen from the approved list maintained by Mathematics and the Division of Finance.

[3]   Choose from approved graduate elective list.