MATHMATICS: PRE-LAW, BS

Requirements for Students Matriculating in or before Academic Year 2018-2019. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/#matriculation).

Minimum Overall Grade Point Average: 2.50
Total Hours: 120

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>or ENGL 1313</td>
<td>Critical Analysis and Writing I</td>
<td></td>
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<tr>
<td>Select one of the following:</td>
<td></td>
<td>3</td>
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<tr>
<td>ENGL 1213</td>
<td>Composition II</td>
<td></td>
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<tr>
<td>ENGL 1413</td>
<td>Critical Analysis and Writing II</td>
<td></td>
</tr>
<tr>
<td>ENGL 3323</td>
<td>Technical Writing</td>
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</tbody>
</table>

American History & Government
HIST 1103  Survey of American History  3
POL 1113  American Government  3

Analytical & Quantitative Thought (A)
MATH 2144  Calculus I (A)  4
CS 1113  Computer Science I (A)  3

Humanities (H)
Courses designated (H)  6

Natural Sciences (N)
Must include one Laboratory Science (L) course
PHYS 1114  College Physics I (LN)  4
or PHYS 2014  University Physics I (LN)  3
Course designated (N)  2

Social & Behavioral Sciences (S)
ECON 2103  Introduction to Microeconomics (S)  3

Additional General Education
Courses designated (A), (H), (N), or (S)  7

Hours Subtotal  41

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.

Natural & Mathematical Sciences
MATH 2153  Calculus II (A)  3
MATH 2163  Calculus III  3
STAT 4013  Statistical Methods I (A)  3
or STAT 4053  Statistical Methods I for the Social Sciences (A)  3

Foreign Language
See note 3
0-6 hours

Upper-Division General Education
Select 6 hours outside major department
See note 2.c.

Hours Subtotal  13

Major Requirements
A minimum grade of "C" or "P" is required in each course, with a minimum 2.5 GPA in all required MATH courses

Mathematics Core
MATH 2233  Differential Equations  3
MATH 3013  Linear Algebra  3
MATH 3613  Introduction to Abstract Algebra  3
MATH 4023  Introduction to Analysis  3
MATH 4663  Combinatorics  3
Select 3 hours of the following:  3
MATH 3583  Introduction to Mathematical Modeling
MATH 3933  Research Methods
MATH 4423  Geometry and Algorithms in Three-Dimensional Modeling

Select 9 hours of the following:  9
MATH 4013  Calculus of Several Variables
MATH 4063  Advanced Linear Algebra
MATH 4083  Intermediate Analysis
MATH 4143  Advanced Calculus I
MATH 4153  Advanced Calculus II
MATH 4233  Intermediate Differential Equations
MATH 4263  Introduction to Partial Differential Equations
MATH 4283  Complex Variables
MATH 4343  Introduction to Topology
MATH 4403  Geometry
MATH 4423  Geometry and Algorithms in Three-Dimensional Modeling
MATH 4453  Mathematical Interest Theory
MATH 4513  Numerical Analysis
MATH 4553  Linear and Nonlinear Programming
MATH 4603  Intermediate Abstract Algebra
MATH 4613  Abstract Algebra I
MATH 4623  Abstract Algebra II
MATH 4713  Number Theory
MATH 4753  Introduction to Cryptography
MATH 4813  Groups and Representations
STAT 4203  Mathematical Statistics I

Select 3 hours of the following:  3
4000-level MATH or STAT
ECON 4213  Econometric Methods
ECON 4223  Business and Economic Forecasting

Upper-division CS or PHYS
ACCT 2103  Financial Accounting  3
ENGL 3323  Technical Writing  3
SPCH 3733  Elements of Persuasion (S)  3
Select 9 hours, including 6 upper division hours, of the following: 9

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AGEC 3713</td>
<td>Agricultural Law</td>
</tr>
<tr>
<td>ECON 3213</td>
<td>Game Theory and Experimental Economics</td>
</tr>
<tr>
<td>ECON 3313</td>
<td>Money and Banking</td>
</tr>
<tr>
<td>ECON 3423</td>
<td>Public Finance</td>
</tr>
<tr>
<td>ECON 3823</td>
<td>American Economic History (S)</td>
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<tr>
<td>ENGR 4113</td>
<td>Intellectual Property Law for Technical Professionals (S)</td>
</tr>
<tr>
<td>HIST 4513</td>
<td>American Economic History (S)</td>
</tr>
<tr>
<td>HONR 2013</td>
<td>Honors Law and Legal Institutions (S)</td>
</tr>
<tr>
<td>LSB 3213</td>
<td>Legal and Regulatory Environment of Business</td>
</tr>
<tr>
<td>PHIL 3413</td>
<td>Ethical Theory (H)</td>
</tr>
<tr>
<td>PHIL 3843</td>
<td>Philosophy of Law (H)</td>
</tr>
<tr>
<td>POLS 2023</td>
<td>The Individual And The Law</td>
</tr>
<tr>
<td>POLS 3983</td>
<td>Courts and Judicial Process (S)</td>
</tr>
<tr>
<td>POLS 3993</td>
<td>Legal Research And Analysis</td>
</tr>
<tr>
<td>POLS 4963</td>
<td>U.S. Constitution: Civil Rights and Civil Liberties</td>
</tr>
<tr>
<td>POLS 4973</td>
<td>U.S. Constitution: Civil Liberties</td>
</tr>
<tr>
<td>PSYC 4143</td>
<td>Psychology and Law</td>
</tr>
<tr>
<td>SOC 4033</td>
<td>Comparative Perspectives of Criminal Justice Systems (IS)</td>
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<tr>
<td>SOC 4313</td>
<td>Sociology of Law</td>
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</tbody>
</table>

Hours Subtotal 48

Electives

Select 18 hours 2

May need to include 6 hours of a foreign language. See note 3

May need to include 6 hours upper-division general education outside major department (see note 2.c.)

Recommended courses:

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<tr>
<td>PSYC 1113</td>
<td>Introductory Psychology (S)</td>
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<tr>
<td>SOC 1113</td>
<td>Introductory Sociology (S)</td>
</tr>
<tr>
<td>SPCH 2713</td>
<td>Introduction to Speech Communication (S)</td>
</tr>
</tbody>
</table>

See http://prelaw.okstate.edu for additional information.

Hours Subtotal 18

Total Hours 120

1. General Education Requirements

No more than two courses (or eight hours) from the major department may be used to meet General Education and College and Departmental Requirements. The General Education required English Composition, required U.S. History, required American Government, one required MATH or STAT course, and required foreign language for B.A. degrees do not count against the two-course maximum.

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. The required six hours of upper-division General Education may not include courses from the student’s major department. 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 3-hour 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.

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.

c. 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

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.

- **Hours in One Department:** Hours in one department in excess of 54 will be added to the minimum total of 120 required for graduation.
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.

4. Exclusions
   a. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements will not count toward the 54-hour maximum allowed from one department.
   b. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit.

5. Teacher Certification
   Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences advisor and the OSU Professional Education Unit in room 325 Willard.

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; one-fourth 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 2024.