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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENGL</td>
<td>Composition</td>
<td>3</td>
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<tr>
<td>or ENGL</td>
<td>1313 Critical Analysis and Writing I</td>
<td>3</td>
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<td>ENGL 1213 Composition II</td>
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<td>ENGL 1413 Critical Analysis and Writing II</td>
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<td>ENGL 3323 Technical Writing</td>
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American History & Government
Select one of the following:
- HIST 1103 Survey of American History
- HIST 1483 American History to 1865 (H)
- HIST 1493 American History Since 1865 (DH)
- POLS 1113 American Government 3

Analytical & Quantitative Thought (A)
Select one of the following:
- MATH 1513 College Algebra (A) 1
- MATH 1613 Trigonometry (A) 1
- MATH 2103 Business Calculus (A) 1

Humanities (H)
Courses designated (H) 6

Natural Sciences (N)
Must include one Laboratory Science (L) course
- CHEM 1314 Chemistry I (LN) 1
Select four hours from the following:
- BIOL 1113 Introductory Biology (N) & BIOL 1111 and Introductory Biology Laboratory (LN) 1
- BIOL 1114 Introductory Biology (LN) 1

Social & Behavioral Sciences (S)
Course designated (S) 3

Additional General Education
Courses designated (A), (H), (N), or (S) 1 8

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
Agricultural Sciences and Natural Resources

Ferguson College of Agriculture course cannot be used here and as an (N)

AG 1011 First Year Seminar 1
AGEC 1113 Introduction to Agricultural Economics (S) 3
ENTO 2993 Introduction to Entomology (LN) 3
STAT 2013 Elementary Statistics (A) 3

Select one of the following:
- ANSI 1124 Introduction to the Animal Sciences
- BIOC 2344 Chemistry and Applications of Biomolecules
- ENVR 1113 Elements of Environmental Science (N)
- FDSC 1133 Fundamentals of Food Science
- HORT 1013 Principles of Horticultural Science (LN)
- LA 1013 Introduction to Landscape Architecture
- NREM 1014 Introduction to Natural History (LN)
- NREM 1113 Elements of Forestry
- NREM 2013 Ecology of Natural Resources
- PLNT 1213 Introduction to Plant and Soil Systems
- SOIL 2124 Fundamentals of Soil Science (N)

Written and Oral Communications
Select one of the following:
- AGCM 3103 Written Communications in Agricultural Sciences and Natural Resources
- BCOM 3113 Written Communication
- BCOM 3443 Business Communication for International Students
- ENGL 3323 Technical Writing 2

Select one of the following:
- AGCM 3203 Oral Communications in Agricultural Sciences & Natural Resources (S)
- SPCH 2713 Introduction to Speech Communication (S)
- SPCH 3733 Elements of Persuasion (S)

Hours Subtotal 19

Major Requirements
Core Courses
Select two of the following:
- ENTO 3044 Insect Morphology and Physiology
- ENTO 4464 Insect Biology and Classification
- ENTO 4854 Medical and Veterinary Entomology

Additional Core Courses
- ENTO 4573 Introduction to Forensic Entomology 3
- SOC 4333 Criminology (S) 3
- SOC 4743 Criminalistics: Introduction to Forensic Sciences 3

Additional Entomology
- ENPP 2143 Global Agricultural Biosecurity and Forensics 3
- ENTO 4800 Entomology Practicum 3

Related Courses
Genetics:
Select one of the following:
- BIOL 3023 General Genetics
- PLNT 3554 Plant Genetics and Biotechnology
ANSI 3423  Animal Genetics  Chemistry:
CHEM 1515  Chemistry II (LN)  5
Organic Chemistry (5 upper division hours)  5
BIOC 3653  Survey of Biochemistry  3
Lab Courses:
CHEM 2113  Principles of Analytical Chemistry  3
CHEM 2122  Quantitative Analysis Laboratory  2
BIOC 3723  Biochemistry and Molecular Biology Laboratory  3
Additional Biological Courses
Select 7 hours of the following:  7
MICR 2123 & MICR 2132  Introduction to Microbiology and Introduction to Microbiology Laboratory
MICR 3033  Cell and Molecular Biology
MICR 4123  Virology
MICR 4203  Bioinformatics
MICR 4233  Advanced Cell and Molecular Biology
MICR 4253  Concepts in Medical Genetics
MICR 4263  Microbial Genetics: from Genes to Genomes
MICR 4323  Cellular Energy Metabolism
BIOL 3204  Physiology
BIOL 4215  Mammalian Physiology
BIOL 4283  Endocrinology
BIOL 4293  Behavioral Neuroendocrinology
BIOL 4303  Organismal Ecotoxicology (OR)
Upper level entomology, plant pathology, biological sciences, forensic sciences courses not taken for credit in other categories.
Additional Math and Science
Select 7 hours of the following:  7
MATH 2144  Calculus I (A)
MATH 2153  Calculus II (A)
PBIO 1404  Plant Biology (LN)
CHEM 3153  Organic Chemistry II
PHYS 1114  College Physics I (LN)
PHYS 1214  College Physics II (LN)
STAT 2331  SAS Programming
STAT 4013  Statistical Methods I (A)
STAT 4023  Statistical Methods II
BIOL 1604  Animal Biology
BIOL 4133  Evolution (OR)
Other math and science courses not taken for credit in other categories
Foreign Language
Up to 10 credit hours of upper division foreign language may be substituted for Additional Natural Resources or Biological Sciences

Total Hours  120

Other Requirements
- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

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 2029.