COLLEGE OF EDUCATION AND HUMAN SCIENCES | FINISH IN FOUR

SECONDARY EDUCATION: MATHEMATICS, BS

The following plan is for students matriculating in or before the academic year 2023-2024
This plan may be adjusted based on individual needs. For official degree requirements visit https://registrar.okstate.edu/Degree-Requirements.

Minimum Overall GPA: 2.50
Total Hours: 120

YEAR 1	FALL (17 hours)
	ENGL 1113 Composition I *or* **ENGL 1313** Critical Analysis and Writing I
	HIST 1103 Survey of American History *or* **HIST 1483** American History to 1865 *or* **HIST 1493** American History Since 1865
	MATH 2144 Calculus I (A) [MATH 1613 or MATH 1715 or MATH 1813]*
	Course designated (**S**) – 3 hours
	SMED 1012 Inquiry Approaches to Teaching
	EDHS 1112 First Year Seminar (**Fall Only**)
Students must select at least one Diversity (D) course and one International (I) course to be completed in any part of the degree plan.	
	SPRING (15 hours)
	ENGL 1213 Composition II *or* **ENGL1413** Critical Anaylsis and Writing II *or* **ENGL 3323** Technical Writing [ENGL 1113]*
	POLS 1113 American Government
	Course designated (**H**) – 3 hours
	MATH 2153 Calculus II (A) [MATH 2144]*
	CS 1103 Computer Programming (A) [MATH 1513]* *or* **CS 1113** Computer Science I (A) [MATH 1513]*

YEAR 2	FALL (15 hours)
	Elective – 3 hours
	PHYS 1114 College Physics I (LN) [MATH 1513]* *or* **PHYS 2014** University Physics I (LN) [MATH 2103 or MATH 2123 or MATH 2144]*
	MATH 2163 Calculus III (A) [MATH 2153]*
	MATH 3013 Linear Algebra (A) [MATH 2153]*
	Elective – 2 hours
Complete the Application for Admission to Professional Education. http://tinyurl.com/osuprofedapp (See education advisor)	
	SPRING (16 hours)
	SMED 3013 – Knowing and Learning in Mathematics and Science [SMED 1012]*
	PHYS 1214 College Physics II (LN) [PHYS 1114 or PHYS 2014]* *or* **PHYS 2114** University Physics II (LN) [PHYS 2014]*
	Elective– 3 hours
	MATH 2233 Differential Equations [MATH 2153]*
	MATH 3613 Introduction to Abstract Algebra [MATH 3013]*

YEAR 3	FALL (15 hours)
For CIED 3313 block 6-8 hrs/1day for observation	
	CIED 3313 Field Experience in the Secondary Schools
	MATH 3303 Advanced Perspectives on Functions and Modeling for Secondary Teachers **(Fall Only)** [MATH 2153]*
	Select 3 hours of 4000-level or higher **MATH** or **STAT 4203** or **CS 3653**, excluding 0-ending or Thesis courses
	SPED 3202 Educating Expectional Learners (D)
	STAT 4013 Statistical Methods I (A) [MATH 1513]* *or* **STAT 4053** Statistical Methods I for the Social Sciences (A) [MATH 1513]*
	Course designated (**A**), (**H**), (**N**), or (**S**) – 1 hour

Full admission to Professional Education requires: (1) A grade of "**C**" or better in **SMED 3013 and SMED 4013**, (2) minimum overall **GPA of 2.50**, and (3) **one measure of general education knowledge** satisfied by: ACT score of 22 or higher with writing section; or SAT score of 1120 or higher with minimum scores of writing - 5, analysis - 4, reading - 5; or minimum general education 3.0 GPA (30 hours minimum)

	SPRING (18 hours)
	SMED 4003 Teaching Fundamental Concepts of Mathematics [full admission to Profesional Education Program]* (**Spring Only**)
	MATH 3933 Research Methods **(Spring Only)** [MATH 3013 and MATH 3613]*
	MATH 4663 Combinatorics **(Spring Only)** [MATH 3013]*
	Course designated (**H)** – 3 hours
	Select 3 hours of 4000-level **MATH** or **STAT** or upper division **CS** or **PHYS**
	CIED 4133 Introduction to K-12 English Language Learners
	NOTE: Students must take the OSAT (Oklahoma Subject Area Test) or PRAXIS prior to student teaching placement. The OSAT is recommended.

YEAR 4	FALL (15 hours)
	SMED 4053 Teaching Geometry in Secondary Schools [full admission to Profesional Education Program]* (**Fall Only**)
	SMED 4023 Problem-Based Learning [full admission to Profesional Education Program]* (**Fall Only**)
	MATH 4403 Geometry **(Fall Only)** [MATH 3013 and MATH 3163]*
	Course designated (**A**), (**H**), (**N**), or (**S**) – 3 hours
	MATH 4023 Introduction to Analysis [MATH 2153 and MATH 3613]*

	SPRING (9hours)
	CIED 4720 Internship in the Secondary Classroom – 6 hours [full admission to Profesional Education Program & OSAT taken]*
	SMED 4723 Senior Seminar in Secondary Mathematics and Science Education [full admission to Profesional Education Program]*
	File graduation application with enrollment.
	Fingerprint background check; Register for and pass the PPAT; Apply for Oklahoma certification

*[Prerequisite courses are listed in brackets]

Course Attribute Guide: (A) Analytical and Quantitative Thought; (H) Humanities; (S) Social and Behavioral Sciences; (N) Natural Sciences; (L) Scientific Investigation – Laboratory Science; (D) Diversity; (I) International Dimension

This plan is provided as a courtesy. The official degree requirements sheet is used to determine eligibility for graduation.

Other Requirements

- 40 hours of upper-division coursework.
- Required for graduation and recommendation for Standard Certification:
  - 2.50 Overall GPA;
  - 2.50 GPA in Major Requirements; and
  - 2.50 GPA in Professional Core Requirements.
- The student must earn minimum grades of "C" or "P" in each course in the Major Requirements and Professional Core Requirements and specified courses in General Education; and must earn grades of "P" in all sections of observation courses and student teaching for recommendation for Certification.

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.