UTeach Arlington
The University of Texas at Arlington

Bachelor of Science in Mathematics
7-12 Mathematics Teacher Certification
2024-2025 catalog

Name: ID:

Expected graduation: Date:

UTeach program coordinator:
Dr. Erin Philp, ephilp@uta.edu

GENERAL EDUCATION (48 hours)

UTA requirement	Earned	Need
UNIV-SC 1131/1101 Student Success		1
Communication		
ENGL 1301 Rhetoric & Composition I		3
ENGL 1302 Rhetoric & Composition II		3
US History (choose two)		
HIST 1301 History of the United States to 1865		6
HIST 1302 History of the United States from 1865		
HIST 1331 Technology & Science in American Society I		
HIST 1332 Technology & Science in American Society II		
Political Science		
POLS 2311 Government of the United States		3
POLS 2312 State & Local Government		3
Language, Philosophy, & Culture (see approved list)		
		3
Social & Behavioral Sciences (see approved list)		
		3
Creative Arts (see approved list)		
		3
Lab science sequence (choose one)		
BIOL 1441/1442, CHEM 1441/1442, GEOL 1301/1302, or PHYS 1443/1444		
		3
		3
Additional science (any for-majors BIOL, CHEM, GEOL, ASTR, PHYS)		
		3
Modern/classical language (could be substituted with advanced math)		
XXXX 1441 Beginning Language I		4
XXXX 1442 Beginning Language II		4
Computer programming (choose one)		
CSE 1310 Intro to Computers & Programming		3
DATA 3401 Python for Data Science I		
MAE 2360 Object-Oriented Programming		

MATHEMATICS (47 hours)

	Earned	Need
MATH 1426 Calculus I		4
MATH 2425 Calculus II		4
MATH 2326 Calculus III		3
MATH 2330 Functions & Modeling - UTeach *(fall only)*		3
MATH 3300 Intro to Proofs		3
MATH 3301 Foundations of Geometry		3
MATH 3307 Elementary Number Theory		3
MATH 3314 Discrete Mathematics		3
MATH 3316 Statistical Inference		3
MATH 3330 Intro to Linear Algebra & Vector Spaces		3
MATH 3321 Abstract Algebra I		3
MATH 3335 Analysis I		3
Choose two (must be from separate groups)		
Group 1		6
MATH 4321 Abstract Algebra II *(spring only)*		
Group 2		
MATH 4334 Advanced Multivariable Calculus *(fall only)*		
MATH 4335 Analysis II *(spring only)*		
Group 3		
MATH 4314 Advanced Discrete Mathematics *(spring only)*		
MATH 4311 Stochastic Models & Simulation *(spring odd years)*		
MATH 4312 Actuarial Risk Analysis *(spring even years)*		
MATH 4313 Applications of Mathematical Stats. *(spring only)*		
MATH 4324 Intro to Partial Differential Equations *(spring only)*		
MATH 4330 Advanced Linear Algebra *(fall only)*		
MATH 4345 Numerical Analysis & Comp. Apps. II *(spring only)*		
Advanced mathematics elective		
MATH 33XX+		3

UTEACH ARLINGTON (26 hours)

Juniors/seniors may take SCIE 1334 in lieu of 1201/1202	Earned	Need
SCIE 1201 Step 1: Inquiry Approaches to Teaching		2
SCIE 1202 Step 2: Inquiry-based Lesson Design		2
SCIE 4331 Knowing & Learning		3
SCIE 4332 Classroom Interactions		3
PHIL 2314 Perspectives on Science & Math		3
XXXX 4343 Research Methods *(BIOL, CHEM, GEOL, PHYS)*		3
SCIE 4333 Multiple Teaching Practices		3
SCIE 4607 Capstone Teaching Experience		6
SCIE 4107 Capstone Teaching Experience Seminar		1

	Earned	Need
TOTAL DEGREE HOURS (121)	**0**	**121**

NOTES

ACADEMIC STANDING

- - - - UTA GPA *(2.75 min)*
- - - - Mathematics GPA *(2.25 min)*