

# College of Arts and Science Undergraduate Degree Program with Teacher Certification

Major: Mathematics

Endorsement: Mathematics

<u>2015-2016 and Prior Arts &amp; Sciences Requirements</u>	<u>2016-2017 and after Arts &amp; Science Requirements</u>	<u>Teacher Certification Requirements (check for course prerequisites)</u>	<u>B.A. Major: /Endorsement</u>
<u>Thought &amp; Expression</u>	<u>College of A&amp;S Language Requirement</u>	<u>Level 1</u>	MATH157 4
ENGL 101 3	Foreign Language (up to 8 credits) ≤8	EDTE 101 3	MATH 258 4
PHIL 101 2	<u>Year 1: Understanding &amp; Creating</u>	EDSE 150 3	MATH 259 4
COMM 101 2	ENGL 101 (WE) 3	EDTE 201 3	MATH 301 3
<u>Religious Studies</u>	PHIL 101 3	EDTE 221S 3	MATH 321 3
RELI 100 LEVEL 3	First Year Seminar 3	EDTE 221L** 1	MATH 339 3
RELI 200 LEVEL 3	COMM 100 3	EDTE 241 3	MATH 341 (Fall, even years) 3
RELI 300 LEVEL 3	MATH (above 100) 3	EDTE 315 3	MATH 499 (Fall, Senior year) 1
<u>Philosophy</u>	BIOL or CHEM or PHYS 104/104L 3	<u>Level 2 Admission to program required</u>	MATH from group A 3
PHIL 201 3	<u>Year 2: Being and Becoming</u>	EDPE 417 1	MATH from group B 3
PHIL 301 3	RELI (see approved list) 3	EDTE 418 3	<b>Total</b> 31
PHIL 400 LEVEL 3	PHIL 201 3	EDTE 418L 1	
<u>English</u>	<u>Year 3: Caring and Doing</u>	EDTE 454L** 1	<b>Group A:</b> MATH 414 Advanced Calculus
ENGL 102, 105 or 106 3	RELI (see approved list) (GS) 3	EDTE 454(A-T) 3	II, MATH 421 Probability Theory, MATH
ENGL 201-285 3	PHIL 301 or RELI 330 3	EDTE 460S 3	438 Abstract Algebra II, MATH 457
<u>History</u>	<u>Year 4: Imaging the Possible</u>	<u>Level 3</u>	Number Theory and Cryptography,
HIST 101 3	Core Integration Seminar 3	EDSE 450 1	MATH 450-453 Selected Topics
HIST 112/102 3	<u>Broadening Courses (see approved list)</u>	EDTE 495 2	<b>Group B:</b> MATH 437 Abstract Algebra I,
<u>Social Science</u>	Social & Behavioral Sciences 3	EDTE 496S 12	MATH 413 Advanced Calculus I, MATH
ECON, SOCI, POLS, CRIM, PSYC 6	Literature 3		417 Complex Variables, MATH 454
<u>Math/Lab Science</u>	History 3		Partial Differential Equations
MATH 3	Fine Arts and Design 3		
LAB SCIENCE 4	<u>Required Course Designations</u>	** Fingerprinting clearance required	+Depending on the nature of the course,
MATH OR NATURAL SCIENCE 3	Writing Enriched (WE) 9	Certification requirements are subject to change. You are expected to meet with your academic and School of Education advisor each semester.	MATH 450-453 Selected Topics may
SOCIAL JUSTICE 3	Social Justice (SJ) 3		satisfy either the Group A or the Group B
Candidates graduating with teacher certification, <b>94 credits</b> are required from the College of Arts and Sciences. Candidates not graduating with teacher certification, <b>104 credits</b> are required from the College of Arts and Sciences.	Global Studies (GS) 6	Only course work in which an individual received a grade of C (2.0) or higher or a grade of pass on a pass-fail system of grading shall be counted toward the course work required for the approved endorsement program.	requirement upon request from the
	For list of approved RELI, Broadening and Designated courses, see: <a href="http://www.gonzaga.edu/Academics/Undergraduate/General-Degree-Requirements-and-Procedures/University-Core/Default.asp">http://www.gonzaga.edu/Academics/Undergraduate/General-Degree-Requirements-and-Procedures/University-Core/Default.asp</a>		Mathematics Department Chair.
			Permission must be obtained from the
			Chair of the Mathematics department to
			utilize a Topics course to satisfy a Group
			requirement.