

Math BA 04-05

Requirements for the Bachelor of Arts Degree in Mathematics

Lower Division Requirements		Upper Division Requirements		Electives (minimum 13 units)	
Mathematics 164 ⁽⁴⁾ __	Calculus I	Mathematics 352 ⁽²⁾ __	History of Mathematics	MTH312 ⁽²⁾ __	MTH471 ⁽¹⁾ __
Mathematics 174 ⁽⁴⁾ __	Calculus II	Mathematics 481 ⁽¹⁾ __	Senior Seminar in Mathematics	MTH334 ⁽⁴⁾ __	MTH491 ⁽¹⁻⁴⁾ __
Mathematics 232 ⁽²⁾ __	Linear Algebra	Choose		MTH344 ⁽⁴⁾ __	MTH492 ⁽²⁾ __
Mathematics 242 ⁽²⁾ __	Number Theory With Proofs	one	Mathematics 424 ⁽⁴⁾ __	MTH364 ⁽⁴⁾ __	HON498 ⁽²⁾ __
Mathematics 274 ⁽⁴⁾ __	Calculus III	from:	Mathematics 444 ⁽⁴⁾ __	MTH372 ⁽²⁾ __	HON499 ⁽¹⁾ __
Computer Science 142 ⁽²⁾ __	Introduction to Computer Programming	Choose	Mathematics 334 ⁽⁴⁾ __	MTH402 ⁽²⁾ __	
Computer Science 154 ⁽⁴⁾ __	Fundamentals of Computer Science	one	Mathematics 344 ⁽⁴⁾ __	MTH412 ⁽²⁾ __	
		from:	Mathematics 364 ⁽⁴⁾ __	MTH424 ⁽⁴⁾ __	
				MTH432 ⁽²⁾ __	
				MTH444 ⁽⁴⁾ __	
				MTH452 ⁽²⁾ __	

I. Responding to the Sacred	
Biblical Foundations	Bible 101 ⁽²⁾ __ and Bible 102 ⁽³⁾ __
The Christian Tradition	Church History 395 ⁽³⁾ __ or Theology 306 ⁽³⁾ __
II. Developing Cognitive Abilities	
Personal Development	Psychology 101 ⁽⁴⁾ (FF) __ or Psychology 103 ⁽³⁾ __
Critical Thinking and Communication	Writing 110 ⁽⁵⁾ __ and Communication 100 ⁽³⁾ __ or Writing 120 ⁽³⁾ __
Basic Competence	Writing Sample __ Writing 099 __
Problem Solving	Mathematics 303 ⁽³⁾ __ or Mathematics 144 ⁽⁴⁾ __ Mathematics 164 ⁽⁴⁾ __
Basic Competence	Placement Test __ Math 099 __ SAT 35th %ile __ ACT 35th %ile __
III. Exploring an Interdependent World	
The Natural World	Biological Science ⁽⁴⁾ __ and Physical Science ⁽⁴⁻⁵⁾ __ One with lab __
Physical Fitness and Nutrition	PED __ (One of Physical Education 102-184) Take one of the following: Family & Consumer Sci. 315 ⁽³⁾ __ Physical Education 100 ⁽¹⁾ __ Physical Education 300 ⁽²⁾ __
The Social World	Take one of the following: Sociology 101 ⁽³⁾ __ Economics 101 ⁽³⁾ __ Sociology 201 ⁽³⁾ __ Economics 102 ⁽³⁾ __ Political Science 101 ⁽³⁾ __ Political Science 190 ⁽⁴⁾ __

IV. Seeking Cultural Perspectives	
The History of World Civilizations	History 110 ⁽³⁾ __ and History 111 ⁽³⁾ __
The Fine Arts	Music History 100 ⁽²⁾ __ Art 100 ⁽²⁾ __ Take two of the or Music History 101 ⁽²⁾ __ or Art 102 ⁽³⁾ __ following areas: or Music History 321 ⁽⁴⁾ & 322 ⁽⁴⁾ __ Theater 101 ⁽²⁾ __ (MUH, ART, TRE)
Philosophy	Philosophy 201 ⁽³⁾ __ or Philosophy 211 ⁽³⁾ __
Literature Masterpieces:	Take two courses, at least one from masterpieces. Literature 254 ⁽³⁾ __ Literature 201 ⁽³⁾ __ Literature 255 ⁽³⁾ __ Literature 202 ⁽³⁾ __ Literature 356 ⁽³⁾ __ Literature 203 ⁽³⁾ __ Literature 357 ⁽³⁾ __
Great Works:	Literature 205 ⁽²⁾ __ Literature 207 ⁽²⁾ __ Literature 206 ⁽²⁾ __ Literature 208 ⁽²⁾ __
Foreign Language	Take one of the following sequences: Spanish 101 ⁽⁴⁾ __ and Spanish 102 ⁽⁴⁾ __ German 101 ⁽⁴⁾ __ and German 102 ⁽⁴⁾ __ French 101 ⁽⁴⁾ __ and French 102 ⁽⁴⁾ __ Biblical Lang. 205 ⁽⁴⁾ __ and Biblical Lang. 206 ⁽⁴⁾ __ or Biblical Lang. 207 ⁽³⁾ __ and Biblical Lang. 208 ⁽³⁾ __ and Biblical Lang. 337 ⁽³⁾ __