



Mathematics Degree Requirements Checklist Fall 2016

Core Courses for Mathematics BA, BS, and Applied BS Degrees

<input type="checkbox"/> MTH-141 Introductory Calculus with Analytic Geometry	4 credits
<input type="checkbox"/> MTH-142 Intermediate Calculus with Analytic Geometry	4 credits
<input type="checkbox"/> MTH-215 Introduction to Linear Algebra	3 credits
<input type="checkbox"/> MTH-243 Calculus for Functions of Several Variables	3 credits
Total Core Courses	14 credits

Mathematics BA Degree

32 MTH Credits – Total program credits 120

Core Courses 14 credits
plus 18 more credits

Required Courses:

<input type="checkbox"/> MTH-307 Introduction to Math Rigor	3 credits
<input type="checkbox"/> MTH-316 Algebra	3 credits

Four more MTH courses which may not include:
MTH-101, -105, -106, -107, -108, -109, -110, -111, -208, or -362.

<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-4__ (400 Level Course)	3 credits

Total **32 credits**

Mathematics BS General Degree

43 MTH credits- Total program credits 120.

Core Courses 14 credits
plus 29 more credits

Required Courses:

<input type="checkbox"/> MTH-307 Introduction to Math Rigor	3 credits
<input type="checkbox"/> MTH-316 Algebra	3 credits
<input type="checkbox"/> MTH-435 Introduction to Mathematical Analysis	4 credits
<input type="checkbox"/> MTH-436 Introduction to Mathematical Analysis	4 credits
<input type="checkbox"/> MTH-462 Functions of a Complex Variable	3 credits

continued next page

Mathematics BS General Degree (continued)

Four more MTH courses which may not include:

MTH-101, -105, -106, -107, -108, -109, -110, -111, -208, -362, or -420.

Required Courses:

<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
Total	43 credits

Mathematics BS - Applied Math Option

32 MTH credits plus 4 more non-MTH courses - Total program credits 120.

Core Courses 14 credits
plus at least 18 MTH credits:

One of the following two sequences:

<input type="checkbox"/> MTH 435 Introduction to Mathematical Analysis I	4 credits
AND	
<input type="checkbox"/> MTH 436 Introduction to Mathematical Analysis II	4 credits
OR	
<input type="checkbox"/> MTH 437 Advanced Calculus and Application I	3 credits
AND	
<input type="checkbox"/> MTH 438 Advanced Calculus and Application I	3 credits

Four more MTH courses which may not include:

MTH-101, -105, -106, -107, -108, -109, -110, -111, -208, -362, or -420.

<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-___	3 credits
<input type="checkbox"/> MTH-4 __ (400 Level Course)	3 credits
<input type="checkbox"/> Choose 1 course from: CSC-106, CSC-200, -201, -211, -212, PHY-410, or CHE-272	3 credits
<input type="checkbox"/> Choose 3 courses* from: BUS-320, -321, -335, -337; BME-207; CHE-272, -313, -314; CHM-431, -432; CSC-340, -350, -406, -418, -440, -445; ECN-323, -324, -327, -328, -375; ELE-313, -314, -322, -438, -457; ISE-411, -412, -432, -433; MCE-341, -354, -366, -372, -411, -466; NRS-409, -410; OCE-301, PHY-306, -322, -331, -410, -420, -451, -452, -455; STA-307**, -308**, -409**, -411, -412.	9 credits

* Other courses may be used with prior permission of the chairperson.

** Credit can only be earned in one of these Statistics courses.

Total **44 credits**

Minor in Mathematics Degree

20 MTH Credits – Total program credits 120

Core Courses 14 credits

Plus

<input type="checkbox"/> Any two 3-credit courses* chosen from MTH-244, -307, -316, -322 or any 400 Level course	6 credits
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At least one of these 2 courses must be at the 400 Level.

* Substitutions may be made with prior permission of the chairperson.

Total **20 credits**

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