

## Bachelor of Science in Pure Mathematics Suggested Plan

<b>Fall of 1<sup>st</sup> Year (14 hours)</b> MA 151 Calculus I (5) MA 140 Introduction to Statistics (3) EN 101 Freshman Composition (3) WU 101 Washburn Experience (3)	<b>Spring of 1<sup>st</sup> Year (13-16 hours)</b> MA 152 Calculus II (5) <i>(PS 281 or approved correlated course)</i> (3-5) Gen Ed Natural Science (3) Gen Ed Humanities AR/TH/MU (3)
<b>Fall of 2<sup>nd</sup> Year (13-15 hours)</b> MA 253 Calculus III (3) PH 220 Logic (3) <i>(PS 282 or approved correlated course)</i> (3-5) MA 380 Problem Solving (1st) (1) Gen Ed Natural Science (3)	<b>Spring of 2<sup>nd</sup> Year (15 hours)</b> MA 207 Discrete Mathematics (3) <i>(MA 340 ANOVA even years or 341 NonParametric odd years)</i> (3) EN 300 Advanced Composition (3) <i>(PS course)</i> (3) <i>(300 level elective)</i> (3)
<b>Fall of 3<sup>rd</sup> Year (15 hours)</b> <i>(MA 354 Abstract Algebra odd years or MA 371 Reals even years)</i> (3) <i>(MA 344 Math Stats odd years or MA 301 Linear Algebra even years)</i> (3) Gen Ed Humanities (3) <i>(300 level PS course)</i> (3) <i>(elective)</i> (3)	<b>Spring of 3<sup>rd</sup> Year (16 hours)</b> MA 380 Problem Solving (2nd) (1) <i>(MA 372 Reals II odd years or 300 elective)</i> (3) 300 level elective (3) Natural Science course (3) Gen ED Social Science (3) <i>(elective)</i> (3)
<b>Fall of 4<sup>th</sup> Year (16 hours)</b> MA 388 Capstone Research (1) <i>(MA 354 Abstract Algebra odd years or MA 371 Reals even years)</i> (3) <i>(MA 344 Math Stats odd years or MA 301 Linear Algebra even years)</i> (3) <i>(300 level PS course)</i> (3) Gen ED Social Science (3) <i>(300 level elective)</i> (3)	<b>Spring of 4<sup>th</sup> Year (12-18 hours)</b> <i>(MA 372 Reals II odd years or 300 elective)</i> (3) <i>(300 level PS course)</i> (3) Gen Ed Social Science (3) <i>(300 elective)</i> (3) <i>(electives if needed)</i> (0-6)

10-15 hours of correlated courses approved by the department are required.

- PS 261 (fall only) and PS 262 (spring only) (10 hours)
- PS 281 (spring only) and PS 282 (fall only) (10 hours) **(included in suggested plan)**
- EC 200, EC 201, BU 342, and BU 347 (12 hours)
- EC 200, EC 201, AC 224, AC 225, and BU 381 (15 hours)
- or a specially designed sequence to be approved by the Department Chair

One of the following three courses is required:

- MA 340 ANOVA/Design of Experiments (even spring) **(option in suggested plan)**
- MA 341 Nonparametric Tests/Quality Control (odd spring) **(option in suggested plan)**
- MA 346 Regression Analysis (offered fall of even numbered years)

Other requirements:

- 9 hours of **Social Sciences Gen Ed courses**
- 9 hours of **Humanities Gen Ed courses** with 3 hours in **AR/MU/TH**
- 9 hours of **Natural Sciences Gen Ed courses** (**PS 281** from correlated can be counted here)
- 45 hours of 300 level courses
- A 30 hour concentration from the **Natural Sciences** and Mathematics Division in departments other than the major, with at least 20 of these hours in one department. The 30 hours must be approved by the student's major department chairperson (BI 102+, PS 261+, CH 121+, AS 101+, CM 111+). **This suggested plan uses Physics for the 20 hours in one discipline.**

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