### DEGREE GUIDE FOR THE COLLEGE OF ARTS AND SCIENCES
#### B.A. MATHEMATICS – 2012-2013

**Note:** Of the 128 credits required for graduation, students must earn at least 104 within Arts and Sciences departments.

#### Thought and Expression
- **GRD 7.0**
  - ENGL 101 English Composition 3 [ ]
  - PHIL 101 Critical Thinking 2 [ ]
  - SPCO 101 Intro to Speech Comm 2 [ ]

#### Religious Studies
- **GRD 9.0**
  - RELI 100 Level Course 3 [ ]
  - RELI 200 Level Course 3 [ ]
  - RELI 300 Level Course 3 [ ]

#### Philosophy
- **GRD 9.0**
  - PHIL 201 Human Nature 3 [ ]
  - PHIL 301 Ethics 3 [ ]
  - PHIL 400 Level Course 3 [ ]

#### English
- **GRD 6.0**
  - ENGL 102, 103H, 105 or 106 3 [ ]
  - ENGL 201-285 (but not ENGL 250) 3 [ ]

#### History (choice of 2)
- **GRD 6.0**
  - HIST 3 [ ]

#### Math/Lab Science/Elective
- **GRD 10.0**
  - Math 100 level or above* 3 [ ]
  - Lab Science** 4 [ ]
  - Elective*** 3 [ ]

*Math 203 does not satisfy this requirement.
**BIOL, CHEM or PHYS course with lab.
***Elective in MATH, CPSC, BIOL, CHEM, PHYS OR ITEC

#### Social Science
- CRIM 101, ECON, SOCI, POLS or PSYC 3 [ ]
- **GRD 6.0**
  - 3 [ ]

#### TOTAL CORE CREDIT
- *(62)*

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### B.A. -- MATHEMATICS: 31 CREDITS

#### MAJOR LOWER DIVISION
- **12 credits**

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<th>CRSE Title</th>
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<tbody>
<tr>
<td>MATH</td>
<td>157 Calculus &amp; Analytic Geo. I</td>
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<tr>
<td>MATH</td>
<td>258 Calculus &amp; Analytic Geo. II</td>
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<td>MATH</td>
<td>259 Calculus &amp; Analytic Geo. III</td>
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#### MAJOR UPPER DIVISION
- **19 credits**

#### Required Upper Division Courses
- **7 credits**

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<tr>
<td>MATH</td>
<td>301 Fundamentals of Mathematics</td>
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<td>MATH</td>
<td>339 Linear Algebra</td>
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<td>499 Senior Comprehensive</td>
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#### Any 400-level courses
- **6 credits**

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#### Upper Division Mathematics Electives*
- **6 credits**

*One of these courses may be replaced by Math 260.

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#### Minor:
- **Credits:**

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#### Electives:
- **Credits:**

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Special Designated courses in Fine Arts, Foreign Language/Culture and Social Justice. For list of approved courses, go to:
http://www.gonzaga.edu/Academics/Colleges-and-Schools/College-of-Arts-and-Sciences and click on the left-hand link.

#### Fine Arts
- **GRD 3.0**
  - 3 [ ]

#### Foreign Language/Culture
- **GRD 3.0**
  - 3 [ ]

#### Social Justice
- **GRD 3.0**
  - 3 [ ]

#### TOTAL CORE CREDIT
- *(62)*

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Updated 07/30/12