Use the checksheet as a guide for selecting classes and refer to Degree Audit in WebAdvisor to review and monitor degree and graduation requirements.

Core Curriculum:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Grade</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 103 Intro to Writing</td>
<td>3</td>
<td></td>
<td></td>
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<tr>
<td>ECON 201 Prin Macroeconomics</td>
<td>3</td>
<td></td>
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<tr>
<td>ENGL 203 World Literature</td>
<td>3</td>
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<tr>
<td>PHIL 101 Intro to Philosophy</td>
<td>3</td>
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</tbody>
</table>

**Notes:**
- Students must earn a minimum of "C-" in ENGL 103 and should complete this introductory writing course in their 1st year of enrollment.
- All students enrolled in ENGL 103 must pass an Exit Exam at the end of the term. Students not meeting minimum requirements on this exit exam are required to enroll in ENGL 214WI prior to reaching 60 hours. It is not necessary to pass this exit exam in order to pass ENGL 103. ENGL 214WI counts as a university elective, and can be taken simultaneously with ENGL 203.
- Students not qualified to begin at the ENGL 103 level may be required to take ENGL 101 prior to enrolling in ENGL 103. If required to take ENGL 101, the hours earned will count as elective hours in the degree program.

**Technology:** 3 hours. Select one of the following courses:
- CS 150 Personal Productivity Using Technology
- DSIM 203 Applied Business & Economic Analysis
- MUS 150 Intro to Music Technology (pre: MUS 141; co: MUS 142)
- XXX xxx Technology Intensive (TI) course in the major approved by the department as an equivalent

**Notes:**
- Students should complete the Technology requirement by the end of the sophomore year.

**Mathematics:** Requirement fulfilled in major.

**Note:** Assumes students are qualified beyond the MATH 104 level.

If not, student may be required to take MATH 100 and/or MATH 104, the hours earned will count as elective hours in the degree program.

Students should complete the Mathematics requirement by the end of the sophomore year.

**Laboratory Science:** Requirement fulfilled in major.

**Social Science:** 3 hours. Select one of the following courses:
- GEOG 200 World Geography
- POL 206 American Government & Politics
- POL 208 International Politics
- PSYC 201 Introductory Psychology
- SOC 203 Introductory Sociology

**Notes:**
- Placement in foreign language is determined by previous high school or college background and/or foreign language placement test.
- Students pursuing the BA degree must complete foreign language through the 202 level.
- Students should complete their foreign language requirement by the end of their sophomore year.

**International Studies:** 3 hours. Select any one IS course.

**Notes:**
- (pre: ENGL 103, HIST 150 & sophomore status)

**Total Core Curriculum = 37 or 38 hours**

(47 hours maximum for BA degree)

Look into taking major and elective courses abroad!

Visit Gooding 105 or www.ju.edu/studyabroad
Mathematics Requirements: 32 hours.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Term</th>
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</thead>
<tbody>
<tr>
<td>CS 170 Scientific/Engin'ing Prog (pre: MATH 140 &amp; either CHEM 103, PHYS 151 or 111)</td>
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<tr>
<td>MATH 140 Calculus I (pre: “C” or better in MATH 110)</td>
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<tr>
<td>MATH 141 Calculus II (pre: “C” or better in MATH 140)</td>
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<tr>
<td>MATH 220WI Math &amp; Reasoning (pre: ENGL 103 &amp; “C” or better in MATH 141) (fulfills Writ’g Intensive requirem’t)</td>
<td>3</td>
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<tr>
<td>MATH 300 Calculus III (pre: “C” or better in MATH 141)</td>
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<tr>
<td>MATH 315 Probability (pre: “C” or better in MATH 141)</td>
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<tr>
<td>MATH 320 Linear Algebra (pre: “C” or better in MATH 141)</td>
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<tr>
<td>MATH 331 Differential Equations (pre: “C” or better in MATH 141)</td>
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<tr>
<td>MATH 400SI History Mathematics (pre: “C” or better in MATH 220WI and junior or senior status) (fulfills Speech requirement)</td>
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<tr>
<td>MATH 430 Reading List (pre: junior or senior status)</td>
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</table>

Concentrations: Mathematics majors MAY elect to add one or the following areas of concentration:

**ACTUARIAL SCIENCE:**
Students who want to prepare for careers in actuarial science and to take the first two actuarial exams should complete the requirements for a major in Mathematics, including MATH 316 and MATH 354. Instead of taking the departmental exam, students must pass at least one actuarial exam.

**ENGINEERING MATHEMATICS:** Students interested in the engineering mathematics concentration with the Dept of Math should complete the requirements for major in Math, including:
- EE/ME 100 Engineer’g Orientat’n (pre: MATH 110, co: MATH 140)
- ME 102 Engineering Graphics
- EE 200 Circuit Analysis (pre: MATH 331)
- ME 210 Mechanics, Statics (pre: MATH 140 & PHYS 151)
- ME 211 Mechanics, Dynamics (pre: ME 210)
- EE/ME 230WS Technical Communication (pre: ENGL 103)
- ME 311 Thermodynamics (pre: CHEM 103, ME 210, MATH 331)
- PHYS 151 Gen Physics: Mechanics (pre: MATH 140, co: MATH 141)
- PHYS 152 Gen Physics: Electricity/Magnetism (pre: “C” or better in PHYS 151 & MATH 141)
- PHYS 300 Intermediate Modern Physics (pre: PHYS 152 & PHYS 101 or EE/ME 100, co: MATH 331)

**MATHEMATICS EDUCATION – SECONDARY LEVEL**
Students who plan to teach Mathematics on the secondary level should consult with the School of Education early in their academic careers to determine the specific requirements.

**Additional Requirements:**

Two (2) courses from:
- MATH 307 College Geometry (pre: “C” or better in MATH 141)
- MATH 411 Intro Real Analysis (pre: “C” or better in both MATH 220WI & MATH 300)
- MATH 412 Intro Complex Variables (pre: “C” or better in both MATH 220WI & MATH 300)
- MATH 423 Algebraic Structures (pre: “C” or better in MATH 220)

AND

One (1) course from:
- MATH 316 Applied Statistics (pre: “C” or better in MATH 141)
- MATH 351 Applied Mathematics (pre: “C” or better in both MATH 300 & MATH 331)
- MATH 354 Intro PDE’s/Model (pre: “C” or better in both MATH 300 & MATH 331)

AND

Six (6) additional credit hours in MATH courses numbered above 300

**General Electives:** Additional hours needed to total 120 hours for degree: approximately 10 - 35 hours, maximum, for Mathematics majors.
Major Requirements

Continued….

**Experiential Learning Requirement: 3 hours.**

Experiential Learning course is defined as one of the following:
- Undergraduate research, Departmental Honors, or Research Intensive (RI)
- Internship
- Study Abroad, JU 409 required co-requisite
- Service Learning, JU 408 required co-requisite

A grade of "C" or better is required in the Experiential Learning course.
The Experiential Learning course may be a course from the University Core Curriculum, major, minor, or elective courses.

<table>
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<tbody>
<tr>
<td>XXX xxx</td>
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<tr>
<td>XXX xxx</td>
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</tbody>
</table>

Additional General Requirements for all Baccalaureate Degrees.
Indicate with "( √ )" that requirement is met.

- 120 hours(minimum) required for degree ( √ )
- Final 30 hours must be completed at JU ( √ )
- 12 hours in major courses 300 level or above must be completed at JU ( √ )
- 42 hours must be 300 level or above ( √ )
- QEP-Experiential Learning course (3 hours) required for all majors, satisfied by a core, major, minor or elective course ( √ )
- Cum 2.00 GPA in all coursework at JU ( √ )
- Cum 2.00 GPA in major area coursework at JU ( √ )
- Cum 2.00 GPA in minor area coursework at JU ( √ )