Medical School Information Sheet: Biology Major

The following is a list of Medical School Admission Requirements and classes at BSU that meet each requirement. Starting in 2015, the MCAT exam will have Biochemistry and Social Science portions of the examination. In addition, medical schools may vary on specific requirements regarding the humanities, social sciences, and mathematics courses*. Please consult with the Medical School Admission Requirements (MSAR) as well as the individual school’s website to verify the specific requirements for your chosen medical schools. [http://maxguides.bridgewater.edu/healthcareers](http://maxguides.bridgewater.edu/healthcareers)

Requirements for All Medical Schools:

1 Year General Chemistry – CHEM 141 and CHEM 142
1 Year Organic Chemistry – CHEM 343 and CHEM 344
1 Semester Biochemistry (no lab required) – CHEM 461
1 Year General Biology – BIOL 121 and BIOL 122
1 Year Physics – PHYS 181 and PHYS 182 or PHYS 243 and PHYS 244
1 Year Social Sciences – PSYC 100 and SOCI 102*
1 Year Mathematics – MATH 141 and MATH 142 (or MATH 161 and MATH 162) (and/or statistics)*
1 Year English – ENGL 101 and ENGL 102*

Useful Information

If placed out of ENGL 101 and/or 102, please use two Writing Intensive ENGL courses as substitute for the humanities and verbal reasoning requirement (e.g., ENGL 214, 221, 222, etc.)

Research (BIOL 396) is strongly recommended – please seek out research opportunities by asking your professors. Please note that your upper level Major Courses will need to include one Cell and Molecular and one Organismal Distributional Requirement. In addition, Writing Designated in the Major and Experiential requirements must be fulfilled with upper-level major courses. The BIOL 251 and 252 recommended sequence covers the Physiology Distributional Requirement, one of three Biology Elective Requirements and two of three laboratory courses.

Some medical schools require two semesters of calculus, while others require a semester of calculus and one semester of statistics. Please consult with individual school’s website for the requirements. Appropriate Statistics courses can include*: MATH 110, PSYC 201, BIOL 297

Please note that for the Biology Major, BIOL 297 (Biometry) can be used to satisfy either the Second Semester Math Cognate Requirement OR a Biology Elective Requirement (w/ lab), if MATH 142 was already taken. BIOL 297 has a BIOL 225 (General Ecology) pre-requisite.

PSYC 100 and SOCI 102 fully cover the two Social Science and one Multiculturalism core requirements. When picking other core classes, pick Art and Humanities (writing intensives, global, etc.) requirements.
**Three Year Plan** – If placed into Calculus (MATH 141) as Freshman

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<th>Semester 1</th>
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<td>CHEM 343 4</td>
<td>CHEM 344 4</td>
<td>CHEM 461 3</td>
<td>SOCI 102 3</td>
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<td>CHEM 142 4</td>
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<td>BIOL 200 4</td>
<td>BIOL 321 4</td>
<td>BIOL 252 4</td>
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<td>MATH 142^ 3</td>
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Total Credits = 17-18
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**Third year (2nd semester):** MCAT PREP COURSE, MCAT (April - May), APPLY JUNE

**Four Year Plan** – If placed into Pre-calculus (MATH 140 or 140E+T) as Freshman

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Total Credits = 16
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**Fourth year (2nd semester):** MCAT PREP COURSE, MCAT (April - May), APPLY JUNE