| **Biology Pathway Courses** | **Bridgewater** | **Fitchburg** | **Framingham** | **Mass College of Liberal Arts** | **Salem** | **Westfield** | **Worcester** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | BIOL 121 General Biology I | BIOL 1800 General Biology I | BIOL 160 Introduction to Organismal Biology | BIOL 150 Introduction to Biology | BIO 131 Introduction to Organisms | BIOL 0128 Introduction to Organismal, Ecological and Evolutionary Biology | BI 140 Introduction or Organismal Biology |
| 2 | BIOL 122 General Biology II | BIOL 1900 General Biology II | BIOL 161 Introduction to Cellular and Molecular Biology |  | BIO 132 Introduction to Cells | BIOL 0129 Introduction to Molecular, Cellular and Developmental Biology | BI 141 Introduction to Cellular and Molecular Biology |
| 3 | BIOL 200 Cell Biology |  | BIOL 260 Cell Biology | BIOL 480 Cell Biology | BIO 212 Cell Biology | BIOL 0203 Genetics or BIOL 0205 Cell Biology or BIOL 0223 Microbiology |  |
| 4 |  |  |  |  |  |  | BI 200 Human Biology  |
| 5 | BIOL 225 General Ecology | BIOL 2300 Ecology | BIOL 348 Ecology or BIOL 457 Quantitative Plan Ecology | BIOL 460 Ecology |  | BIOL 0201 General Ecology or BIOL 0202 Conservation Biology | BI 202 Principles of Ecology |
| 6 |  |  |  |  | BIO 208 Environmental Problems |  |  |
| 7 | BIOL 321 Genetics | BIOL 2800 Genetics | BIOL 208 Genetics | BIOL 240 Genetics | BIO 402 Genetics | BIOL 0203 Genetics or BIOL 0205 Cell Biology or BIOL 0223 Microbiology | BI 203 Genetics |
| 8 |  |  |  |  |  | BIOL 0203 Genetics or BIOL 0205 Cell Biology or BIOL 0223 Microbiology | BI 204 Microbiology |
| 9 | CHEM 141 Chemical Principles I (CHEM 131 Survey or Chemistry I for B.A.) | CHEM 1300 General Chemistry I | CHEM 107 Principles of Chemistry | CHEM 150 Introduction to Chemistry I | CHE 130 General Chemistry I | CHEM 0109 General Chemistry I | CH 120 General Chemistry I |
| 10 | CHEM 142 Chemical Principles II (CHEM 132 Survey of Chemistry II for B.A.) | CHEM 1400 General Chemistry II | CHEM 108 Principles of Chemistry with Quantitative Analysis | CHEM 152 Introduction to Chemistry II | CHE 131 General Chemistry II | CHEM 0111 General Chemistry II | CH 121 General Chemistry II |
| 11 | CHEM 343 Organic Chemistry I | CHEM 2000 Organic Chemistry I | CHEM 207 Organic Chemistry I | CHEM 201 Organic Chemistry I | CHE 212 Organic Chemistry I | CHEM 0201 Organic Chemistry I | CH 201 Organic Chemistry I – Lecture Only |
| 12 | CHEM 344 Organic Chemistry II | CHEM 2100 Organic Chemistry II |  | CHEM 202 Organic Chemistry II | CHE 213 Organic Chemistry | CHEM 0203 Organic Chemistry II | CH 202 Organic Chemistry II – Lecture Only |
| 13 |  | MATH 1300 Precalculus | MATH 200 Precalculus | MATH 150 Precalculus or MATH 220 Calculus I or MATH 232 Introduction to Statistics | MAT 110 Precalculus or MAT 220 Calculus I |  |  |
| 14 |  |  |  |  |  | BIOL 0123 Mathematical Methods in the Natural Sciences |  |
| 15 |  |  |  |  |  |  | MA 180 Introduction to Functions or Higher Level Math |
| 16 | MATH 141 Elements of Calculus I or MATH 161 Single Variable Calculus I |  |  | MATH 150 Precalculus or MATH 220 Calculus I or MATH 232 Introduction to Statistics | MAT 110 Precalculus or MAT 220 Calculus I |  |  |
| 17 | BIOL 297 Biometry or MATH 142 Elements of Calculus II or MATH 162 Single Variable Calculus II |  |  |  |  |  |  |
| 18 |  |  | MATH 208 Biostatistics |  | MAT 147 Statistics |  | MA 150 Statistics I |
| 19 |  | PHYS 2300 General Physics I |  | PHYS 131 General Physics I | PHS 211A College Physics I or PHS 221 General Physics I |  | P\*Y 221 General Physics I or PY 241 Physics I |
| 20 |  | PHYS 2400 General Physics II |  | PHYS 132 General Physics II | PHS 212A College Physics II or PHS 222 General Physics II |  | \*PY 222 General Physics II or PY 242 Physics II |

\* Worcester State University Students must complete (PY 221 General Physics I and PY 222 General Physics II) OR (PY 241 Physics I and PY 242 Physics II)