| **Chemistry Pathway Courses** | **Amherst** | **Boston** | **Dartmouth** | **Lowell** |
| --- | --- | --- | --- | --- |
| Chemistry I (with lab) | CHEM 121#  General Chemistry Science | CHEM 115\* Chemical Principles I CHEM 117 Chemical Principles I Lab | CHM 155 Mod. Chemical Principles I CHM 163\* Intro. To Chemistry Lab I | 84.121 Chemistry I 84.123  Chemistry I Laboratory |
| Chemistry II (with lab) | CHEM 122 General Chemistry | CHEM 116 Chemical Principles II CHEM 118 Chemical Principles II Lab | CHM 156 Mod. Chemical Principles II CHM 164  Intro. To Chemistry Lab II | 84.122 Chemistry II 84.124  Chemistry II Laboratory |
| Organic Chemistry I (with lab) | CHEM 265 Organic Chemistry-Major  CHEM 267  Organic Lab-Major | CHEM 251 Organic Chemistry I CHEM 255 Organic Chemistry I Lab | CHM 251 Organic Chemistry I CHM 265 Organic Chemistry Lab I | 84.221  Organic Chemistry IA  84.227  Organic Chemistry Lab I |
| Organic Chemistry II (with lab) | CHEM 266 Organic Chemistry-Major  CHEM 268  Organic Lab-Major | CHEM 252 Organic Chemistry II CHEM 256 Organic Chemistry II Lab | CHM 252 Organic Chemistry II CHM 266 Organic Chemistry Lab II | 84.222  Organic Chemistry IIA  84.228  Organic Chemistry Lab II |
| Calculus I | MATH 131^  Calculus I | MATH 140^  Calculus I | MTH 111^ Analytic Geometry and Calculus I | 92.131^  Calculus I |
| Calculus II | MATH 132  Calculus II | MATH 141  Calculus II | MTH 112  Analytic Geometry and Calculus II | 92.132  Calculus II |
| Calculus III (multivariate) | MATH 233  Multivariate Calculus |  | MTH 211 Analytic Geometry and Calculus II | 92.231  Calculus III |
| Physics I (with lab) | PHYSIC 151#  General Physics I | PHYSIC 113 Fundamentals of Physics I PHYSIC 181# Physics Laboratory I | PHY 113#  Classical Physics I | 95.141#  Physics I  96.141  Physics I Lab |
| Physics II (with lab) | PHYSIC 152  General Physics II | PHYSIC 114 Fundamentals of Physics II PHYSIC 182 Physics Laboratory II | PHY 114 Classical Physics II | 95.144  Physics II  96.144 Physics II Lab |
| Biology I |  | BIOL 111 General Biology I |  |  |

MATH PREREQUISITES

\* Precalculus Co-requisite

# Calculus I Pre-requisite/Co-requisite

^ Calculus for Physical Science