BME Undergraduate Tracking Document

Student: Blank tracking document Rev: May 22, 2023

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| 13/3 Units | | | | | | | |  | | 2/3 Units | | | | | |
| **MATH / BASIC SCIENCE / SUPPLEMENTAL SCIENCE** | | | | | | | |  | **SOCIAL SCIENCE** | | | | | | |
| Math  (2 Units) | | | | Biology  (2/3 Units; at least one at 2000+) | | | Chemistry  (2/3 Units) |  |  | | | |  | | |
|  | [courses](https://www.wpi.edu/academics/departments/social-science-policy-studies/courses) & ID 2050 (for global IQP) | | | | | | |
| MA 1021 (or equiv.) | | | |  | | | CH 1010 (or equiv.) |  | 6/3 Units | | | | | | |
| MA 1022 (or equiv.) | | | |  | | | CH 1020 (or equiv.) |  | **HUMANITIES REQ’MENT** | | | | | | |
| MA 1023 (or equiv.) | | | | Physics  (2/3 Units) | | | Suppl. Science  (1/3 Units; any level)  (BB, PH, CH, MA, CS, FY) |  |  | | |  | |  | |
| MA 1024 (or equiv.) | | | |  |  | | |  | |  | |
| MA 2051 (or equiv.) | | | | PH 1110 (or equiv.) | | |  | Click for [HU Requirement](https://www.wpi.edu/project-based-learning/project-based-education/humanities-arts-requirement) | | | | | | |
| MA 2610 or 2611 (or equiv.) | | | | PH 1120 (or equiv.) | | |  |  |  | | | | | | |
|  | | | |  | | | |  | 3/3 Unit | | | | | | |
| **COMPUTER PROGRAMMING** (1/3 Unit) | | | | | | |  |  | **IQP** | | | | | | |
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| **HUMAN PHYSIOLOGY** (1/3 Unit) | | | | | | |  |  | To find an IQP click [link](https://www.wpi.edu/academics/undergraduate/interactive-qualifying-project) | | | | | | |
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| 1/3 Unit | | | | |  | 1/3 Unit | |  | 3/3 Unit | | | | | | |
| **WELLNESS & PHYSICAL EDUCATION** | | | | |  | **FREE ELECTIVE** | |  | **MQP** | | | | | | |
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| 14/3 Units | | |
| **ENGINEERING** | | |
| **Distribution requirement**  (or higher level, or equivalent) | **Course** | **Notes** |
| Biomechanics |  | - Consult the Biomedical Engineering Program Chart in the Undergraduate catalog for courses that count towards these requirements.  - Students that entered Fall 2020 and after:  You can only receive ENGR distribution credit for one of BME2502 or ES2502.  You can only receive ENGR distribution credit for one of BME2001 or ES2001.  - We do not recommend you take both BME2210 and ECE2010. |
| Biomaterials |  |
| Bioinstrumentation |  |
| BME Analysis |  |
| ENGR 2000+ |  | **Notes** |
| ENGR 2000+ |  | ENGR course can be all courses designated “BME” (except BME 1001, BME 1004, BME 3110, BME 532, BME 560, BME 562, BME 564, and BME 593; BME 595 requires departmental approval) and ES, AE, AREN, CE, CHE, ECE, RBE, and ME courses at the 2000 level or above (except RBE 3100 and CE3022). |
| ENGR 2000+ |  |
| Engr Design | BME 3300 |
| BME Lab #1 (1/6 unit) |  |
| BME Lab #2 (1/6 unit) |  |
| BME Lab #3 (1/6 unit) |  |
| BME Lab #4 (1/6 unit) |  |
| ENGR 3000+ |  |
| ENGR 3000+ |  |
| BME 4000 depth |  |  |
| BME 4000+ depth |  |  |

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| **SELF AUDIT** (check WorkDay to assure your courses are assigned correctly) |
| * 1/3 unit Computer program (BME1004, CS1004, or equiv.) (y/n)? \_\_\_\_\_\_\_ |
| * 1/3 unit Human Physiology (BME 3111, BME3112, BB3101, BB3102, or equiv.) (y/n)? \_\_\_\_\_\_\_ * 14/3 units Engineering (y/n)? \_\_\_\_\_\_\_ with 9/3 units BME (y/n)?\_\_\_\_\_\_\_ |
| * 3/3 units ENG 2000+ level (y/n)?\_\_\_\_\_\_\_ **(the green rows may bin in this category if they are not BME designated courses)** * 2/3 units ENG 3000+ level (y/n)?\_\_\_\_\_\_\_ |
| * BME Labs (4 x 1/6 unit) (y/n)?\_\_\_\_\_\_\_ * Living Systems Laboratory requirement (BME3111, BME 3012, BME 3503, or BME 3813) (y/n)?\_\_\_\_\_ * 2/3 units BME 4000+ (y/n)? \_\_\_\_\_\_\_\_ (Note: 1/3 unit **must be at the** BME 4000 level) * 1/3 unit BME design (BME 3300) (y/n)? \_\_\_\_\_\_ * 1/3 unit Capstone Design in BME (must be checked off by BME program MQP advisor during the MQP eCDR process) (y/n)?\_\_\_\_\_\_\_ * **BME3111 cannot double count** towards an ENGR requirement and the physiology requirement. * **No more than one 500 or 5000 level course** towards the 14/3 Units of Biomedical Engineering and Engineering requirement |