B.S. BIOMEDICAL ENGINEERING (BMED) DEGREE PETITION CHECKLIST CATALOG YEAR 2023-2024

An average GPA of at least 2.0 is required for BMED core courses (BMED 1000-4602) and MATH courses (MATH 1551-2552).
39 hours of upper level (3000 or above) courses must be completed to satisfy degree requirements towards graduation.

The final 36 credit hours required for the degree must be earned in residence at GT or a GT approved study abroad or foreign exchange.

**NAME STUDENT ID**

**Required Engineering and Science Courses: (78 Hours Total)**

BMED 1000 (1)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CHEM 1211K |  (4) | BMED 2110 |  (3) | PHYS 2211 |  (4) |
| CHEM 1315/2312 |  (3) | BMED 2250 |  (3) | PHYS 2212 |  (4) |
|  |  | BMED 2310 |  (3) |  |  |
| MATH 1551 |  (2) | BMED 3100 |  (3) | CS 1301/1371 |  (3) |
| MATH 1552 |  (4) | BMED 3110 |  (2) |  |  |
| MATH 1553 |  (2) | BMED 3310 |  (3) | COE 2001 |  (2) |
| MATH 2551 |  (4) | BMED 3410 |  (3) |  |  |
| MATH 2552 |  (4) | BMED 3520 |  (3) | MSE 2001 |  (3) |
|  |  | BMED 3600 |  (3) |  |  |
| BMED 2400 |  (3) | BMED 3610 |  (2) | ECE 3710 |  (2) |
| *or ISyE/CEE 3770* |  | BMED 4000 |  (1) | ECE 3741 |  (1) |
|  |  | BMED 4602 |  (3) |  |  |
| **General Education Courses: (26 Hours Total)** |
| **Humanities**ENGL 1101 |  (3) | **Social Sciences \**** Constitution/History
 |  (3) \_\_\_\_\_\_\_\_ |  **Wellness** APPH 1040/1050/1060 (2) |
| ENGL 1102 |  (3) |   |  (3) |   |
|  |  (3) |   |  (3) |  |
|  |  (3) |   |  (3) |  |

* ***HIST 2111/2112, POL 1101, PUBP 3000 or INTA 1200 satisfies the Constitution/History requirement.****\* Pre-health students should also take both social science courses PSYC 1101 and SOC 1101 to in preparation for the MCAT.*

**BME Depth Electives (12 hours total**): \**Up to 6 hours research may apply (min 2 semesters in same lab and/or min of 6 hours of VIP required)\*
Please refer to the Approved Depth Elective Chart (found @ Canvas BMED AO) for non-BME course options; Depth electives are subject to change.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BMED 4477 |  (3) | BMED 4757 |  (3) | BMED 4803 |  (3) |  |
| BMED 4500 |  (3) | BMED 4758 |  (3) | BMED 4813 |  (3) |  |
| BMED 4603 |  (3) | BMED 4765 |  (3) | ECE 2026 |  (3) |  |
| BMED 4739 |  (3) | BMED 4781 |  (3) | **\*\***  | ( ) *– UGR* |  |
| BMED 4740 |  (3) | BMED 4782 |  (3) | **\*\***  | ( ) *– UGR* |  |
| BMED 4750 |  (3) | BMED 4783 |  (3) |   |  ( ) |  |
| BMED 4751 |  (3) | BMED 4784 |  (3) |   |  ( ) |  |
| **BME Breadth Electives (15 hours total, choose one option below)** |  |
| ***Pre-health***  | ***Research Option*\*** | ***Minor***  |  ***Certificate \_*** |  |
| CHEM 1212K (4) | LMC 4701 (1) |  ( ) |  ( ) |  |
| CHEM 2311 (3) | LMC 4702 (1) |  ( ) |  ( ) |  |
| CHEM 2380 (2) | UGR ( ) |  ( ) |  ( ) |  |
| CHEM 3511 (3) | UGR ( ) |  ( ) |  ( ) |  |
| \*\*\* ( ) | UGR ( ) |  ( ) |  ( ) |  |

 \*\* *Note: Undergraduate Research (UGR) credit cannot be used as Depth Electives if the Research Option is selected for the Breadth Electives*

 *\*\*\* Any fallthrough additional credits can be used to round out the pre-health requirements.*

**Additional Courses/Credits (*Courses NOT directly applicable or required for major degree requirements outlined above*)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   |  ( ) |   |  ( ) |   |  ( ) |
|   |  ( ) |   |  ( ) |   |  ( ) |
|   |  ( ) |   |  ( ) |   |  ( ) |
|   |  ( ) |   |  ( ) |   |  ( ) |
|   |  ( ) |   |  ( ) |   |  ( ) |

**Total Hours Needed for BS BMED Degree: 131**

Last Updated: 6/7/2023