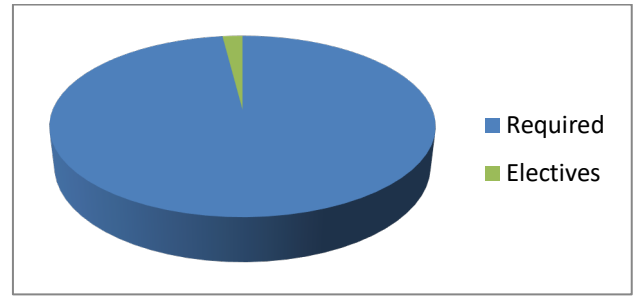




# Program Planning Worksheet



Area: Biomedical Engineering (January 2022 Calendar)  
 Degree: Bachelor of Engineering  
 Faculty: Engineering and Computer Science  
 ES = Electrical Stream MS = Mechanical Stream

| Requirements              |                      |       | Notes      | Requirements                                       |                      |       | Notes      |
|---------------------------|----------------------|-------|------------|--|----------------------|-------|------------|
| First Year                | Offered<br>F, Sp, Su | Units | First Year | Third Year   | Offered<br>F, Sp, Su | Units | Third Year |
| <b>Term 1A – Fall</b>     |                      |       |            | <b>Term 3A – Spring</b>                            |                      |       |            |
| CSC 111                   | F, Sp                | 1.5   |            | BME 320  | Sp                   | 1.5   |            |
| ENGR 110                  | F                    | 2.5   |            | BME 350  | Sp                   | 2.0   |            |
| ENGR 130                  | F, Sp                | 0.5   |            | ECE 330 (Sp) or 365 (F)                            | F, Sp                | 1.5   |            |
| MATH 100 or 109           | F, Sp, Su            | 1.5   |            | MECH 345   | Sp                   | 1.5   |            |
| MATH 110                  | F                    | 1.5   |            | ES – Two of: ECE 300, 310, 320, 340, or MECH 320   | Sp, Su (310 only)    | 3.0   |            |
| PHYS 110                  | F, Sp                | 1.5   |            | MS – MECH 320, 335                                 | Sp                   | 3.0   |            |
| <b>Term 1B – Spring</b>   |                      |       |            | <b>Work Term – Summer</b>                          |                      |       |            |
| CHEM 150                  | Sp                   | 1.5   |            | <b>Term 3B – Fall</b>                              |                      |       |            |
| ENGR 120                  | Sp                   | 2.5   |            | BME 335  | F                    | 1.5   |            |
| ENGR 141                  | Sp, Su               | 1.5   |            | ECON 180   | F, Su                | 1.5   |            |
| MATH 101                  | F, Sp, Su            | 1.5   |            | ES – ECE 360                                       | F, Sp                | 1.5   |            |
| PHYS 111                  | Sp, Su               | 1.5   |            | ES – One of: ECE 350, 370, 380, MECH 330, 360, 395 | F                    | 1.5   |            |
| <b>Work Term – Summer</b> |                      |       |            | MS – MECH 330, 380                                 | F                    | 3.0   |            |
|                           |                      |       |            | STAT 254 or 260                                    | F, Sp, Su            | 1.5   |            |
|                           |                      |       |            | Comp. Studies                                      | F, Sp, Su            | 1.5   |            |
| <b>Second Year</b>        |                      |       |            | <b>Work Term – Spring</b>                          |                      |       |            |
| <b>Term 2A – Fall</b>     |                      |       |            | <b>Fourth Year</b>                                 |                      |       |            |
| BME 200                   | F                    | 1.5   |            | <b>Term 4A – Summer</b>                            |                      |       |            |
| CHEM 231                  | F, Sp                | 1.5   |            | BME 499  | Sp (2021), Su        | 1.5   |            |
| CSC 116                   | F                    | 1.5   |            | ENGR 297   | F, Sp, Su            | 1.5   |            |
| ECE 250                   | F, Su                | 1.5   |            | BME Elective                                       | F, Sp, Su            | 1.5   |            |
| MATH 200                  | F, Sp, Su            | 1.5   |            | 3 Technical Electives                              | F, Sp, Su            | 4.5   |            |
| MECH 240                  | F, Su                | 1.5   |            | <b>Work Term - Fall</b>                            |                      |       |            |
|                           |                      |       |            | ENGR 446   | F, Sp, Su            | 1.0   |            |
| <b>Work Term – Spring</b> |                      |       |            | <b>Term 4B – Spring</b>                            |                      |       |            |
| <b>Term 2B – Summer</b>   |                      |       |            | CSC 349A   | F, Sp                | 1.5   |            |
| BME 201                   | Su                   | 1.5   |            | ENGR 498   | F, Sp                | 1.5   |            |
| ECE 216                   | F, Su                | 1.5   |            | BME Elective                                       | F, Sp, Su            | 1.5   |            |
| ECE 260                   | F, Su                | 1.5   |            | 2 Biological Science Electives                     | F, Sp, Su            | 3.0   |            |
| MATH 204                  | F, Sp, Su            | 1.5   |            |  |                      |       |            |
| MECH 220                  | Su                   | 1.5   |            |  |                      |       |            |
| MECH 242                  | F, Su                | 1.5   |            |  |                      |       |            |
| <b>Work Term – Fall</b>   |                      |       |            |  |                      |       |            |

\*Please refer to the University of Victoria Academic Calendar 2021-2022 January 2022 for complete lists of course selections. Although every attempt has been made to ensure that the information on this worksheet is accurate, in the case of any discrepancy the Academic Calendar must be considered the definitive authority.

**\*\*IMPORTANT:** Please ensure that you have read the “How to Use the Program Planning Worksheets” information page.

## Year One:

- **Standing:** You are considered to be a first-year student until you have accumulated at least 12 units of applicable coursework.
- **Registration Notes:** For courses with a lab and/or tutorial section, you must register for all components. Check the course descriptions for all courses you plan to take to make sure you register for any required labs and/or tutorials.
- **Additional Resources:** Other information for first-year students can be found on the Engineering website: <http://www.uvic.ca/engineering/>.
- **Prerequisites:** Refer to the course descriptions in the Academic Calendar to ensure that you have the required prerequisite courses and that you are taking the appropriate prerequisites this year for courses you take in Year Two.
- **Declaring a Program:** In the Spring term (January - April) of first year Engineering (BEng) or Software Engineering (BSEng), you may be eligible to declare the program area you wish to pursue. During Spring term, first year students receive an email from the Engineering Undergraduate Office directing them to the program declaration website to rank programs. To be eligible for program declaration, you must have completed at least 12.0 units of applicable course work (all applicable courses will be considered regardless of level) with an average GPA in the Winter Session (September-April) of no less than 3.0, and no individual grade less than C. Students are then admitted to BEng and BSEng degree programs taking into consideration competitive GPA and personal preference. You must complete program rankings before April 30<sup>th</sup>.
- **Academic Writing Requirement (AWR):** To ensure that you have an opportunity to develop the advanced literacy skills expected at the university level, all undergraduate students enrolled in a degree program must satisfy AWR. Satisfaction of AWR does not exempt students from program requirements. ENGR 110 is AWR-designated and a program requirement. On the first day of classes, a diagnostic test will be administered to assess pre-requisite skills. If you do not pass the threshold, the instructor will provide feedback for an appropriate introductory skill building course (ATWP 101).

## Year Two:

- **Standing:** You are considered to be a second-year student when you have been admitted to your program.
- **Registration Notes:** For courses with a lab and/or tutorial section, you must register for all components. Check the course descriptions for all courses you plan to take this year to make sure you register for any required labs and/or tutorials.
- **Prerequisites:** Refer to the course descriptions in the Academic Calendar to ensure that you are taking appropriate prerequisites this year for courses in Year Three.

## Year Three:

- **Registration Notes:** For courses with a lab and/or tutorial section, you must register for all components. Check the course descriptions for all courses you plan to take this year to make sure you register for any required labs and/or tutorials.
- **Prerequisites:** Refer to the course descriptions in the Academic Calendar to ensure that you are taking appropriate prerequisites for courses you plan to take in Year Four.
- **Complementary Studies:** The principal subject matter must deal with central issues, methodologies and thought processes of the humanities and social sciences. For a list of approved complementary studies elective courses, please visit our website: <https://www.uvic.ca/engineering/assets/docs/student-forms/Complementary-Studies-Electives.pdf>

## Year Four:

- **Registration Notes:** For courses with a lab and/or tutorial section, you must register for all components. Check the course descriptions for all courses you plan to take this year to make sure you register for any required labs and/or tutorials.
- **Applying for Graduation:** In your last year of study, if you finish your courses and co-op work terms between September and April, you must submit an application for graduation to Records Services through My Page by **December 15** for the following June convocation. If you finish your courses and co-op work terms between May and August, you must submit the application for graduation by **July 15** for the following November convocation. If your degree requirements are complete, but you have not yet graduated, you may request a Degree Completion Letter from the Registrar's Office through "My Page".
- **Graduation Requirements:** Students must meet the normal University "Minimum Degree Requirements for Graduation" as published in the Undergraduate Calendar, including a graduating average of at least 2.0, as well as:
  1. Successful completion of the full set of courses specified for the degree program as published in the Faculty of Engineering section of the calendar.
  2. Successful completion of four work terms (as defined by the student's registered program) as specified.

The Iron Ring ceremony is not a function of the undergraduate graduation process. You must formally apply to graduate through Undergraduate Records. If you wish to participate in an Iron Ring ceremony you must indicate that separately through the Engineering Students Society: <http://ess.uvic.ca>

\* Once your program is declared, you can review your program requirements in your degree audit (CAPP report) through your "My Page".

\* Courses are offered: F – Fall, Sp – Spring, Su – Summer

**Student Responsibility:** You are responsible for the completeness and accuracy of your registration and for determining the requirements of your program at UVIC. Attend and submit work only for those courses in which you are registered. Always read course descriptions before you register to determine if you have the necessary prerequisites, and pay attention to notes on mutually-exclusive and cross-listed courses (pairs of courses in which credit will be awarded for only one).