**CHEMICAL ENGINEERING PROGRAM**

**FOCUS AREA (FA) PLAN**

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| --- | --- | --- | --- |
| Student Name: |  | Student ID Number: |  |
| Expected Graduation Date: |  | Current Curriculum Year: |  |

Career Objectives:

**FOCUS AREA**: Chemical Engineering Focus Areas (FA’s) provide you with the opportunity to gain depth knowledge in your chosen career path in addition to the strong fundamental grounding in chemical engineering. Please choose a pre-approved FA in the topics listed below. Alternatively, you may choose to develop your own FA consistent with your career goals subject to approval by the Chemical Engineering Curriculum Committee.

I have reviewed the requirement for the Elective Focus Area indicated below and have attached the signed FA worksheet.

❒ Biochemical Engineering

❒ Business

❒ Chemical Process Engineering

❒ Computation, Data Science, and Machine Learning

❒ Energy & Environment

❒ Entrepreneurship

❒ Oil and Gas

❒ Pharmaceuticals

❒ Polymers

❒ Pre-Medicine

❒ Safety & Health

❒ Sustainability

|  |
| --- |
| Name: |

❒ Custom

**REQUIRED ENRICHING ACTIVITY**: Chemical engineers in the workplace inevitably work in multidisciplinary teams. These teams are frequently working on projects that impact society both locally and globally. Therefore, all Chemical Engineering students will complete at least one of the following enriching activities as a requirement to receive a B.S.E. degree. Please check which activity you plan to use to satisfy the Enriching Activity Requirement.

❒ Three semester hour equivalent of an approved research experience

❒ Cooperative education experience

❒ Internship experience

❒ Study abroad

❒ Entrepreneurial program (i.e., receive the corresponding certificate)

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❒ Other multidisciplinary experience

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| --- | --- | --- | --- |
| Student Signature: |  | Date: |  |
| Advisor |  | Date: |  |
| CBE Curriculum Committee |  | Date: |  |

**Focus Area (FA) Worksheet**

|  |  |
| --- | --- |
| **Title of FA**: |  |

**General Education Component (15 semester hours)**

GEC courses consistent with career goals:

3 s.h. Be Creative (Be Cre.)

3 s.h. Diversity and Inclusion (D&I)

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| --- | --- | --- | --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken*  *(e.g., Fall 2023 or*  *indicate if credit by exam)* | *D&I* | *Be Cre.* | *Other* | *S.H.* |
|  |  |  | ❒ | ❒ | ❒ |  |
|  |  |  | ❒ | ❒ | ❒ |  |
|  |  |  | ❒ | ❒ | ❒ |  |
|  |  |  | ❒ | ❒ | ❒ |  |
|  |  |  | ❒ | ❒ | ❒ |  |

**Advanced Chemistry/Science Electives (6 semester hours)**

3 s.h. advanced chemistry or biochemistry course + 3 s.h. advanced science course

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken*  *(e.g., Fall 2023)* | *S.H.* |
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**Statistics Elective (3 semester hours)**

See recommendations for specific FA plan.

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken*  *(e.g., Fall 2023)* | *S.H.* |
|  |  |  |  |

**Free Elective (3 semester hours)**

|  |  |  |  |
| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken*  *(e.g., Fall 2023)* | *S.H.* |
|  |  |  |  |

**FA Electives (12 semester hours)**

Electives consistent with career goals

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken*  *(e.g., Fall 2023)* | *S.H.* |
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| --- | --- | --- | --- |
| Student Signature: |  | Date: |  |
| Advisor: |  | Date: |  |
| CBE Curriculum Committee |  | Date: |  |

This FA form applies to incoming Fall 2021 first-year students and incoming students thereafter.