**CHEMICAL ENGINEERING PROGRAM**

**FOCUS AREA 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.

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I have reviewed the requirement for the 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

❒ Sustainability

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❒ \*Custom FA

**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 Worksheet**

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

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

GEC courses consistent with career goals: 15 s.h.

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken**(year, term)**(indicate if credit by exam)* | *S.H.* |
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**Advanced Chemistry Sequence (6 semester hours)**

3 s.h. advanced chemistry course + 3 s.h. advanced science course 6 s.h.

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken**(year, term)**(indicate if credit by exam)* | *S.H.* |
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**Statistics Elective (3 semester hours)**

See recommendations for specific FA plan. 3 s.h.

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| --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Semester Taken**(year, term)**(indicate if credit by exam)* | *S.H.* |
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**Additional Electives (12 semester hours)** 12 s.h.

Electives consistent with career goals

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| --- | --- | --- | --- | --- | --- | --- |
| *Course No.* | *Course Title* | *Eng.* | *Sci.* | *Other* | *Semester Taken**(year, term)**(indicate if credit by exam)* | *S.H.* |
|  |  | ❒ | ❒ | ❒ |  |  |
|  |  | ❒ | ❒ | ❒ |  |  |
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| --- | --- | --- | --- |
| Student Signature: |  | Date:  |  |
| Advisor: |  | Date: |  |
| \*CBE Curriculum Committee |  | Date: |  |