CHEMICAL ENGINEERING PROGRAM
BS/MS PLAN

Student Name: _____ Student ID Number: _____

Expected Graduation Date: _____ Current Curriculum Year: _____

Career Objectives:

ELECTIVE FOCUS AREA: Chemical Engineering Elective Focus Areas (EFAs) provide you with the opportunity to gain depth of knowledge in your chosen career path in addition to the strong fundamental grounding in chemical engineering. Please check which EFA you plan to choose.

- ☐ Biochemical Engineering
- ☐ Business
- ☐ Chemical Process Engineering
- ☐ Entrepreneurship
- ☐ Energy & Environment
- ☐ Pharmaceuticals
- ☐ Polymers
- ☐ Pre-medicine
- ☐ Sustainability
- ☐ Custom EFA (*requires approval by CBE Curriculum Committee*)

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 in the UI program will complete at least one of the following enriching activities as a requirement to receive a Bachelor of Science degree. Please check which activity you plan to use to satisfy the Enriching Activity Requirement.

- ☐ 3-s.h. equivalent of an approved research experience
- ☐ Co-operative education experience
- ☐ Internship experience
- ☐ Study abroad
- ☐ Entrepreneurial program (i.e., receive the corresponding certificate)
- ☐ Other multidisciplinary experience (*requires approval by CBE Curriculum Committee*)

Student: _____ Date: _____

Advisor: _____ Date: _____

DUGS:_____ Date: _____

COE Registrar: _____ Date: _____

*** COURSES SATISFYING BS REQUIREMENTS ONLY ***

Chemical Engineering Core Courses (89 semester hours)

See Undergraduate Handbook

General Education Components (15 semester hours)

GEC courses consistent with career goals 15 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Statistics Elective (3 semester hours)

Recommended: *Prob & Stat for Engin & Phys Sci* (STAT:2020) 3 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Advanced Chemistry Lab (2 or 3 semester hours)

Advanced Chemistry Lab from same sequence chosen for lectures 2-3 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Student: _____ Date: _____

Advisor: _____ Date: _____

DUGS:_____ Date: _____

COE Registrar: _____ Date: _____

Free Electives in engineering or science courses consistent with MS research topics (10 or 9 semester hours)

Note: Advanced Chemistry Lab s.h. + Free Electives s.h. = 12 s.h. 10-9 s.h.

Course no.	*Course*	*Eng*	*Sci*	*Other*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*
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		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		
		☐	☐	☐		
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*** CROSS-CREDITED COURSES SATISFYING BOTH BS AND MS REQUIREMENTS ***

Required Course (3 semester hours)

Choose *Intro to Biochemical Engineering* (CBE:5205) 3 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Advanced Chemistry Lecture Electives (6 semester hours)

Choose the 100-level Analytical, Physical, or Biochemical sequence 6 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Engineering Elective (3 semester hours)

Choose *Intermediate Thermo* (CBE:5110) or *Transport Phenomena I* (CBE:5152) 3 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Student: _____ Date: _____

Advisor: _____ Date: _____

DUGS:_____ Date: _____

COE Registrar: _____ Date: _____

*** COURSES SATISFYING MS REQUIREMENTS ONLY ***

Remaining Graduate Program Core Courses (6 semester hours)

Intro to Lit Rev & Tech Writing (CBE:5104) + other course not taken as Eng'g Elective above 6 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Advanced Graduate Program Electives (6-12 semester hours)

6 s.h. if thesis option, 12 s.h. if non-thesis option 6-12 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

MS Research (6-0 semester hours)

6 s.h. if thesis option, 0 s.h. if non-thesis option 6-0 s.h.

Course no.	*Course*	*Semester Taken (year, term) (indicate if credit by exam)*	*s.h.*

Thesis advisor	
Proposed thesis topic	

Student: _____ Date: _____

Advisor: _____ Date: _____

DUGS:_____ Date: _____

COE Registrar: _____ Date: _____