The University of Tulsa - Chemical Engineering (402)

Refining Option

Effective Date: May 1, 2013
Minimum Hours for Graduation: 131

Freshman Year

15 Hours

- BLOCK-I [1]
- ENGL 1033
- **MATH 2014** CR: MATH 2010 *
- **CHEM 1013** *
- CHEM 1011 CR: CHEM 1013
- CHE 1001

15 Hours

- **MATH 2024** CR: MATH 2020 PR: MATH 2014 *
- **CHEM 1023** PR: CHEM 1013, CHEM 1011 *
- CHEM 1021 CR: CHEM 1023
- **PHYS 2053** PR: MATH 2014 *
- PHYS 2051 CR: PHYS 2053
- CHE 1013 PR: CHE 1001 CR: MATH 2014

Sophomore Year

17 Hours

- BLOCK-II [1]
- MATH 2073 PR:MATH 2024
- PHYS 2063 PR: PHYS 2053 CR:MATH 2073
- PHYS 2061 CR: PHYS 2063
- CHEM 3013 PR: CHEM 1023, CHEM 1011
- CHEM 3011 CR: CHEM 3013
- ES 3053 PR: PHYS 2053 CR: MATH 2073

18 Hours

- BLOCK-I [1]
- BLOCK-II [1]
- CHEM 3023 PR: CHEM 3013, CHEM 3011
- MATH 3073 PR: MATH 2024
- CHE 2003 PR: CHEM 1023, CHE 1001, 1013 CR: MATH 2024 & ES 3053
- ES 3003 PR: PHYS 2053, MATH 2073 CR:ES 3053

Junior Year

18 Hours

- BLOCK-II [1]
- ENGL 3003 PR: ENGL 1033 JR. STANDING
- CHE 3063 PR: ES 3053, CHE 2003
- ES 3073 CR: ES 3003, MATH 3073
- ES 2013 PR:PHYS 2053 or ES 3083 PR: MATH 2024
- EE 2003 PR: PHYS 2063 CR: MATH 3073

17 Hours

- CHE 4113 CR: CHE 3084
- CHE 3084 PR: CHE 3063 CHE 2003, ES 3073
- CHE 4063 CR:CHE 3084
- CHEM 4023 PR:CHE 3063 CR: MATH 2024, PHYS 2063
- CHEM 4021 PR: CHE 3063 CR: CHEM 4023
- MATH ELEC. [2]

Senior Year

16 Hours

- CHE 4003 PR: ES 3003, ES 3073
- CHE 4103 PR:CHE 3084
- Any 4000 level Eng course (3) [3]
- CHEM 4083 PR:CHEM 3011, CHEM 3013
- CHEM 4081 PR:CHEM 3013, 3011 CR:CHEM 4083
- CHE 4123 PR: SR Standing Or Perm. of Instructor

15 Hours

- GEN ELEC. 3
- BLOCK-II [1]
- CHE 4183 PR: ENGL 3003 SR. STANDING
- CHE 4083 PR:CHE 4063 PR: ENGL 3003 PR: CHE 4103
- CHE 4013 PR:CHE 4084

[1] Tulsa Curriculum Courses may be taken in any order. No more than 2 courses from a single department. Must be taken from approved block courses published each semester. Credit for one Block I and one Block II may be obtained for two foreign language courses in the same language. These courses must satisfy ABET requirements.

***Within the first three semesters, CHE majors must earn a minimum 2.5 GPA in these 5 foundation courses.**

**All pre/co-requisites must be taken as noted in the current Undergraduate Bulletin due to Accreditation Policies.

*** Any 5000 level class will require additional signatures to get enrolled into

[2] STAT 4813, MATH 4123, MATH 4133, MATH 4143, MATH 4213, MATH 4503, or CS 4153

[3] Any 3 credit 4000 level Engineering courses or CS 4333, CS 5463, CS 5483, CS 5493, CS 5863

Additional Major/Minor Info

Primary:_____

Secondary:_____

Minor:_____

Tulsa Curriculum Courses | Math, Basic Science, ES | Major courses

Chemical Engineering (Refining Option) (402)
Effective Date: May 1, 2013
Minimum Hours for Graduation: 131

Name:_____
I. D. #:_____

MATHEMATICS

Course	CR	Grade	Remarks
MATH 2014	4		
MATH 2024	4		
MATH 2073	3		
MATH 3073	3		
[2]	3		

Total: 17 Cr Hrs

BASIC SCIENCES

Course	CR	Grade	Remarks
PHYS 2051	1		
PHYS 2053	3		
PHYS 2061	1		
PHYS 2063	3		
CHEM 1013	3		
CHEM 1011	1		
CHEM 1023	3		
CHEM 1021	1		

Total: 16 Cr Hrs

ADVANCED CHEMISTRY

Course	CR	Grade	Remarks
CHEM 3011	1		
CHEM 3013	3		
CHEM 3023	3		
CHEM 4021	1		
CHEM 4023	3		
CHEM 4081	1		
CHEM 4083	3		

Total: 15 Cr Hrs

[1] TULSA CURRICULUM (H & SS)

Block	Course	CR	Grade	Remarks
I				
I				
II				
II				
II				
II				

Total: 18 Cr Hrs.

OTHER

Course	CR	Grade	Remarks
ENGL 1033	3		
ENGL 3003	3		

Total: 6 Cr. Hrs

GENERAL ELECTIVE

Course	CR	Grade	Remarks

Total: 3 Cr Hrs

*

Math & Basic Sciences	33 cr hrs
Tulsa Curriculum (H & SS)	18 cr hrs
Advanced Chemistry	15 cr hrs
Other	6 cr hrs
Elective	3 cr hrs
ChE Courses	50 cr hrs
Engineering Science	6 cr hrs
Total	131 cr hrs

*The required courses shown meet ABET requirements. See other sidc for additional notations.

CHE PROFESSIONAL COURSES

Course	CR	Grade	Remarks
ChE 1001	1		
ChE 1013	3		
ChE 2003	3		
ChE 3063	3		
ChE 3084	4		
ChE 4003	3		
ChE 4013	3		
ChE 4063	3		
ChE 4083	3		
ChE 4103	3		
ChE 4113	3		
ChE 4123	3		
ChE 4183	3		
	3		
[3] ES 3003	3		
ES 3053	3		
ES 3073	3		

Total: 50 Cr Hrs

ENGINEERING SCIENCE

Course	CR	Grade	Remarks
ES 2013 or ES 3083	3		
EE 2003	3		

Total: 6 Cr Hrs

Comments/Other Classes taken that do not apply:_____