The University of Tulsa - Chemical Engineering (402)

Pre-Med Option

Effective Date: May 1, 2013
Minimum Hours for Graduation: 133

Freshman Year

16 Hours

- BIOL 1601 and 1603
- ENGL 1033
- **MATH 2014** CR: MATH 2010 *
- **CHEM 1013** *
- CHEM 1011 CR: CHEM 1013
- CHE 1001

18 Hours

- SOC 1033
- **MATH 2024** CR: MATH 2020 PR: MATH 2014 *
- CHEM 1021 CR: CHEM 1023
- **CHEM 1023** PR: CHEM 1013, CHEM 1011 *
- **PHYS 2053** PR: MATH 2014 *
- PHYS 2051 CR: PHYS 2053
- CHE 1013 PR: CHE 1001 CR: MATH 2014

Sophomore Year

17 Hours

- PSY 2253
- MATH 2073 PR: MATH 2024
- PHYS 2063 PR:PHYS 2053 CR:MATH 2073
- PHYS 2061 CR: PHYS 2063
- CHEM 3013 PR: CHEM 1023, CHEM 1021
- CHEM 3011 CR: CHEM 3013
- ES 3053 PR: PHYS 2053 CR: MATH 2073

17 Hours

- BIOL 1701 and 1703
- MATH 3073 PR:MATH 2024
- CHEM 3021 CR: CHEM 3023
- CHEM 3023 PR:CHEM 3013 PR:CHEM 3011
- ES 3003 PR: PHYS 2053, MATH 2073 CR: ES 3053
- CHE 2003 PR:CHEM 1023, CHE 1001, CHE 1013 CR:MATH 2024 CR: ES 3053

Junior Year

16 Hours

- STAT 4813 PR: MATH 2024
- CHEM 4133 PR:CHEM 3021, 3023
- CHE 3063 PR: ES 3053 PR: CHE 2003
- ES 3073 CR: MATH 3073, ES 3003
- BIOL 2124 PR:BIOL 1601, 1603 BIOL 1701, 1703

16 Hours

- CHE 4063 CR:CHE 3084
- CHE 3084 PR: CHE 3063 CHE 2003, ES 3073
- CHE 4113 CR:CHE 3084
- ES 2013 PR:PHYS 2053 or ES 3083 PR:MATH 2024
- EE 2003 PR:PHYS 2063 CR:MATH 3073

Senior Year

18 Hours

- ENGL 3003 PR: ENGL 1033 JR. STANDING
- BLOCK-I [1]
- BLOCK-I [1]
- CHE 4003 PR:ES 3003 PR:ES 3073
- CHE 4103 PR:CHE 3084
- CHE 4123 PR: SR Standing or Perm. of Instructor

15 Hours

- BLOCK-II [1]
- BLOCK-II [1]
- 4000 Level Eng Course [2]
- CHE 4083 PR:CHE 4063, ENGL 3003, CHE 4103
- CHE 4013 PR:CHE 3084

[1] Tulsa Curriculum Courses may be taken in any order. Courses must be taken from approved block courses published each semester. No more than 2 courses from a single department. 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.

[2] Any 4000 level Engineering Course or CS 4333, CS 5463, CS 5483, CS 5493, CS 5863

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

Additional Major/Minor Info

Primary:_____

Secondary:_____

Minor:_____

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

Name:_____
I. D. #:_____

Chemical Engineering (Pre-Med)(402)
Effective Date: May 1, 2013
Minimum Hours for Graduation:133

MATHEMATICS

Course	CR	Grade	Remarks
MATH 2014	4		
MATH 2024	4		
MATH 2073	3		
MATH 3073	3		
STAT 4813	3		

Total: 17 Cr Hrs

BASIC SCIENCES

Course	CR	Grade	Remarks
PHYS 2051	1		
PHYS 2053	3		
PHYS 2061	1		
PHYS 2063	3		
CHEM 1011	1		
CHEM 1013	3		
CHEM 1021	1		
CHEM 1023	3		
BIOL1601&1603	4		
BIOL1701&1703	4		

Total: 24 Cr Hrs

ADVANCED CHEMISTRY AND SCIENCE

Course	CR	Grade	Remarks
CHEM 3011	1		
CHEM 3013	3		
CHEM 3021	1		
CHEM 3023	3		
CHEM 4133	3		
BIOL 2124	4		

Total: 15 Cr Hrs

TULSA CURRICULUM (H & SS)

Block	Course	CR	Grade	Remarks
I				
I				
II				
II				
II	SOC 1033	3		
II	PSY 2253	3		

Total: 18 Cr Hrs.

OTHER

Course	CR	Grade	Remarks
ENGL 1033	3		
ENGL 3003	3		

Total: 6 Cr. Hrs

*

Math & Basic Sciences	41 cr hrs
Tulsa Curriculum (H & SS)	18 cr hrs
Adv. Chem & Science	15 cr hrs
Other	6 cr hrs
ChE courses	47cr hrs
Engineering Science	6 cr hrs
Total:	133 cr hrs

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

ChE PROFESSIONAL COURSES

Course	ES	ED	CR	Grade	Remarks
ChE 1001	1	0	1		
ChE 1013	2	1	3		
ChE 2003	2	1	3		
ChE 3063	2	1	3		
ChE 3084	2	2	4		
ChE 4003	2	1	3		
ChE 4013	2	1	3		
ChE 4063	1	2	3		
ChE 4083	0	3	3		
ChE 4103	1	2	3		
ChE 4113	1	2	3		
ChE 4123	1	2	3		
5			3		
ES 3003	2	1	3		
ES 3053	2	1	3		
ES 3073	2	1	3		

Total: 23 21 47 Cr Hrs

ENGINEERING SCIENCE

Course	ES	ED	Grade	Remarks
ES 2013 or ES 3083	3	0		
EE 2003	3	0		

Total: 6 0 6 Cr Hrs-minimum

Comments/Other Classes taken that do not apply:_____