The University of Tulsa - Chemical Engineering (402)

Pre-Med Option

Effective Date: May 1, 2012
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

- BLOCK-I [1]
- MATH 2024 — CR: MATH 2020; PR: MATH 2014
- CHEM 1021 — CR: CHEM 1023
- CHEM 1023 — PR: CHEM 1013; CHEM 1011
- PHYS 2053 — CR:MATH 2024
- 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 3011 — CR: CHEM 3013
- ES 3053 — PR: PHYS 2053; PR: CHEM 1013; CR: MATH 2073

16 Hours

- BIOL 1701 and 1703
- MATH 3073 — PR:MATH 2024
- ES 2013 or ES 3083 — PR:PHYS 2053
- CHE 2003 — PR:CHEM 1023, CHE 1001, CHE 1013; CR:MATH 2024; CR: ES 3053
- ES 3003 — PR: PHYS 2053; PR: MATH 2073

Junior Year

18/19 Hours

- BLOCK-II [1]
- BLOCK-I [1]
- EE 2003 — PR:PHYS 2063; CR:MATH 3073
- CHE 3063 — PR: ES 3053; PR: CHE 2003
- ES 3073 — CR: MATH 3073; CR: ES 3003
- BIOL ELEC 3/4 [3,4]

18 Hours

- CHE 4063 — CR:CHE 3084
- CHE 3084 — PR: CHE 3063; CHE 2003; CR: CHE 4113
- CHE 4113 — CR:CHE 3084
- CHEM 3021 — CR: CHEM 3023
- CHEM 3023 — PR:CHEM 3013; PR:CHEM 3011
- CHEM 4023 — PR: CHE 3063; CR: PHYS 2063
- CHEM 4021 — PR: CHE 3063; CR: CHEM 4023

Senior Year

15 Hours

- ENGL 3003 — PR: ENGL 1033; JR. STANDING
- CHE 4103 — PR:CHE 3084
- CHE 4003 — PR:ES 3003; PR:ES 3073
- 4000 Level Eng Course (3) [5]
- CHE 4123 — PR: SR Standing Or Permission of Instructor

15 Hours

- BLOCK-II [1]
- BLOCK-II [1]
- MATH ELEC [2,4]
- CHE 4083 — PR:CHE 4063; PR: ENGL 3003; PR: CHE 4103
- CHE 4013 — PR:CHE 4063; CR:CHE 4113

[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. These courses must satisfy ABET requirements.

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

[3] BIOL 2124, 3054, 3084

[4] Or other Courses with department approval.

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

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

** Math 2014 & Math 2024 require enrollment in corresponding quiz sections

*** 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

Chemical Engineering (Pre-Med)(402)
Effective Date: May 1, 2012
Minimum Hours for Graduation:133

Name:_____
I. D. #:_____

MATHEMATICS

Course	CR	Grade	Remarks
MATH 2014	4		
MATH 2024	4		
MATH 2073	3		
MATH 3073	3		
[2,4]	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 4021	1		
CHEM 4023	3		
[3,4] BIOL	3/4		

Total: 15/16 Cr Hrs

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

*

Math & Basic Sciences	41 cr hrs
Tulsa Curriculum (H & SS)	18 cr hrs
Adv. Chem & Science	15 or 16 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:_____