The University of Tulsa - Chemical Engineering (402)

Business 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

- BUS 1013 [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 CR: MATH 2073

18 Hours

- BLOCK-I [1]
- ECON 2013 [1]
- MATH 3073 PR: MATH 2024
- ES 3083 PR: MATH 2024
- CHE 2003 PR: CHEM 1023, CHE 1001 CHE 1013 CR: MATH 2024, ES 3053
- ES 3003 PR: PHYS 2053, MATH 2073 CR: ES 3053

Junior Year

18 Hours

- ECON 2023 [1]
- ENGL 3003 PR: ENGL 1033 JR. STANDING
- STAT 4813 PR:MATH 2024
- CHE 3063 PR: ES 3053, CHE 2003
- ES 3073 PR: ES 3003 CR:Math 3073
- EE 2003 PR: PHYS 2063 CR: MATH 3073

17 Hours

- CHE 4063 CR:CHE 3084
- CHE 3084 PR: CHE 3063, CHE 2003, ES 3073
- ADV. SCI. [4]
- CHE 4113 CR:CHE 3084
- ADV. CHEM (lecture) [2]
- ADV. CHEM (lab) [2]

Senior Year

16 Hours

- CHE 4103 PR:CHE 3084
- CHE 4003 PR:ES 3003, ES 3073
- 4000 level Engineering (3) [5]
- ADV. CHEM (lecture) [2]
- ADV. CHEM (lab) [2]
- CHE 4123 PR: SR Standing Or Perm. of Instructor

15 Hours

- BL 2013
- BLOCK-II [1]
- ADV. ENG. [3]
- CHE 4083 PR:CHE 4063, ENGL 3003, CHE 4103
- CHE 4013 PR:CHE 3084

[1] Tulsa Curriculum Courses may be taken in any order. No more than 2 courses from a single department. Courses must be chosen 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.

[2] Chosen from CHEM 3021 and CHEM 3023, CHEM 4021 and CHEM 4023, CHEM 4131 and CHEM 4133, CHEM 4081 and CHEM 4083, CHEM 4101 and CHEM 4043, CHEM 4093 and CHEM 4091

[3] CHE 4153(recommended), or 4023, 4163, 4973, 4183, 4193, 4133, 4863

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

[4] 4000 level science or CHEM 3023

[5] Any 3 credit 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.

*** 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. #:_____

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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		

Total: 16 Cr Hrs

ADVANCED CHEMISTRY

Course	CR	Grade	Remarks
CHEM 3011	1		
CHEM 3013	3		
3	1		
3	3		
3	1		
3	3		
6	3		

Total: 15 Cr Hrs

TULSA CURRICULUM (H & SS)

1

Block	Course	CR	Grade	Remarks
I				
I				
II	ECON 2013			
II	ECON 2023			
II	BUS_1013			
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
BL 2013			

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
General Electives	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 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 4113	1	2	3		
ChE 4103	1	2	3		
ChE 4123	1	2	3		
ES 3003	2	1	3		
ES 3053	2	1	3		
ES 3073	2	1	3		
4			3		
7			3		

Total: 26 21 50 Cr Hrs - minimum

ENGINEERING SCIENCE

Course	CR	Grade	Remarks
ES 3083	3		
EE 2003	3		

Total: 6 Cr Hrs- minimum

Comments/Other Classes taken that do not apply:_____