The University of Tulsa - Chemical Engineering (402)

Business Option

Effective Date: May 1, 2012
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; CR: MATH 2024
- 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; PR: CHEM 1013; CR: MATH 2073

18 Hours

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

Junior Year

18 Hours

- ECON 2023 [1]
- ENGL 3003 — PR: ENGL 1033; JR. STANDING
- STAT 4813
- CHE 3063 — PR: ES 3053; CR: 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
- ADV. SCI. [4]
- CHE 4113 — PR: CHE 3112; CHE 3084
- ADV. CHEM (lecture) [2]
- ADV. CHEM (lab) [2]

Senior Year

16 Hours

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

15 Hours

- BL 2013
- BLOCK-II [1]
- ADV. ENG. [3]
- CHE 4083 — PR:CHE 4063; PR: ENGL 3003; PR: CHE 4104
- CHE 4013 — PR:CHE 4063; CR:CHE 4113

[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. 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

[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.

** 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

Name:_____
I. D. #:_____

Chemical Engineering Business Option (402)
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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 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:_____