The University of Tulsa - Chemical Engineering (402)

Environmental 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

- MATH 2073 — PR:MATH 2024
- ES 3053 — PR: PHYS 2053, PR: CHEM 1013, CR: MATH 2073
- GEOL 1014
- CHEM 3013 — PR: CHEM 1023
- CHEM 3011 — CR: CHEM 3013
- PHYS 2063

18 Hours

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

Junior Year

18 Hours

- BLOCK-II [1]
- ENGL 3003 — PR: ENGL 1033, JR. STANDING
- MATH ELEC. [2]
- CHE 3063 — PR: ES 3053, CHE 2003
- EE 2003 — PR: PHYS 2063, CR: MATH 3073
- ES 3073 — CR:MATH 3073, ES 3003

17 Hours

- CHE 4113 — CR: CHE 3084
- CHE 4063 — CR:CHE 3084
- CHE 3084 — PR: CHE 3063, CHE 2003, ES 3073
- CHEM 4053 — PR; CHEM 3011, CHEM 3013
- CHEM 4023 — PR: CHE 3063, CR: MATH 2024, PHYS 2063
- CHEM 4021 — PR: CHE 3063, CR: CHEM 4023

Senior Year

16 Hours

- BLOCK-II [1]
- CHE 4103 — PR:CHE 3084
- CHE 4003 — PR: ES 3003, ES 3073
- CHEM 4083 — PR:CHEM 3011, CHEM 3013
- CHEM 4081 — PR:CHEM 3011, 3013, CR:CHEM 4083
- CHE 4123 — PR: SR Standing Or Perm. of Instructor

15 Hours

- BLOCK-II [1]
- CHE 4163 — SR. STANDING
- CHE 4083 — PR:CHE 4063, ENGL 3003, CHE 4103
- 4000 level Engineering (3) [3]
- CHE 4013 — PR:CHE 3084

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

[1] Tulsa Curriculum Courses may be taken in any order. Courses must be chosen 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, or CS 4153

[3] Any 3 credit 4000 level engineering course 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

**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

Name:_____
I. D. #:_____

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

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 2063	3	___	_____
GEOL 1014	4	___	_____
CHEM 1011	1	___	_____
CHEM 1013	3	___	_____
CHEM 1021	1	___	_____
CHEM 1023	3	___	_____

Total: 19 Cr Hrs

ADVANCED CHEMISTRY

Course	CR	Grade	Remarks
CHEM 3011	1	___	_____
CHEM 3013	3	___	_____
CHEM 3023	3	___	_____
CHEM 4021	1	___	_____
CHEM 4023	3	___	_____
CHEM 4053	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

*	
Math & Basic Sciences	36 cr hrs
Tulsa Curriculum (H & SS)	18 cr hrs
Advanced Chemistry	15 cr hrs
Other	6 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 4103	1	2	3	___	_____
ChE 4113	1	2	3	___	_____
ChE 4123	1	2	3	___	_____
ChE 4163	3	0	3	___	_____
ES 3003	2	1	3	___	_____
ES 3053	2	1	3	___	_____
ES 3073	2	1	3	___	_____
[3] ___ ____			3	___	_____
Total:	26	21	50 Cr Hrs - minimum		

ENGINEERING SCIENCE

Course	ES	ED	CR	Grade	Remarks
EE 2003	3	0	__	___	_____
Total:	6	0	6 Cr. Hrs - minimum		

Comments/Other Classes taken that do not apply:_____