

# The University of Tulsa - Chemical Engineering (402)

## Pre-Med Option

Name \_\_\_\_\_

I.D.#. \_\_\_\_\_

Effective Date: May 1, 2011  
Minimum Hours for Graduation: 133

Freshman Year		Sophomore Year		Junior Year		Senior Year	
16 Hours	18 Hours	17 Hours	16 Hours	18/19 Hours	17 Hours	16 Hours	15 Hours
BIOL 1601 and 1603	<b>BLOCK-I</b> <sup>1</sup>	<b>BLOCK-II</b> <sup>1</sup>	BIOL 1701 and 1703	<b>BLOCK-II</b> <sup>1</sup>	CHE 3112 PR: MATH 3073 PR: CHE 2003	<b>ENGL 3003</b> PR: ENGL 1033 JR. STANDING	<b>BLOCK-II</b> <sup>1</sup>
<b>ENGL 1033</b>	MATH 2024 PR: MATH 2014	MATH 2073 PR: MATH 2024	MATH 3073 PR: MATH 2024	<b>BLOCK-I</b> <sup>1</sup>	CHE 4063 CR: CHE 3084	CHE 4104 PR: CHE 3084	<b>BLOCK-II</b> <sup>1</sup>
MATH 2014	CHEM 1021 CR: CHEM 1023	PHYS 2063 PR: PHYS 2053 CR: MATH 2073	ES 2013 or PR: PHYS 2053 ES 3083	EE 2003 PR: PHYS 2063 CR: MATH 3073	CHE 3084 PR: CHE 3063 CHE 2003	CHE 4113 PR: CHE 3112 CHE 3084	MATH ELEC <sup>2,4</sup>
CHEM 1013	CHEM 1023 PR: CHEM 1013 CHEM 1011	PHYS 2061 CR: Phys 2063	CHE 2003 PR: CHEM 1023, CHE 1002, CHE 1013 CR: MATH 2024 CR: ES 3053	CHE 3063 PR: ES 3053 PR: CHE 2003	CHEM 3021 CR: CHEM 3023	CHE 4003 PR: ES 3003 PR: ES 3073	CHE 4083 PR: CHE 4063 PR: ENGL 3003 PR: CHE 4104
CHEM 1011 CR: CHEM 1013	PHYS 2053 CR: MATH 2024	CHEM 3013 PR: CHEM 1023	ES 3003 PR: PHYS 2053 PR: MATH 2073	ES 3073 CR: MATH 3073 CR: ES 3003	CHEM 3023 PR: CHEM 3013 PR: CHEM 3011	4000 Level Eng Course (3) <sup>5</sup>	CHE 4013 PR: CHE 4063 CR: CHE 4113
CHE 1001	PHYS 2051 CR: PHYS 2053	CHEM 3011 CR: CHEM 3013		BIOL ELEC 3/4 <sup>3,4</sup>	CHEM 4023 PR: CHE 3063 CR: PHYS 2063		
	CHE 1013 PR: CHE 1002 CR: MATH 2014	ES 3053 PR: PHYS 2053 PR: CHEM 1013 CR: MATH 2073			CHEM 4021 PR: CHE 3063 CR: CHEM 4023		

<sup>2</sup> STAT 4813, MATH 4123, MATH 4133, MATH 4143  
MATH 4213, or MATH 4503.

<sup>3</sup> BIOL 2124, 3054, 3084

<sup>1</sup> 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.

<sup>4</sup> Or other Courses with department approval.

<sup>5</sup> Any 4000 level Engineering Course

Tulsa Curriculum  
Courses

Math, Basic  
Science, ES

Major courses

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**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	_____	___	___	_____

Total: 18 Cr Hrs.

**OTHER**

Course	CR	Grade	Remarks
ENGL 1033	3	___	_____
ENGL 3003	3	___	_____

Total: 6 Cr. Hrs

**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 3112	2	0	2	___	_____
ChE 4003	2	1	3	___	_____
ChE 4013	2	1	3	___	_____
ChE 4063	1	2	3	___	_____
ChE 4083	0	3	3	___	_____
ChE 4104	1	3	4	___	_____
ChE 4113	1	2	3	___	_____
5 _____	___	___	3	___	_____
ES 3003	2	1	3	___	_____
ES 3053	2	1	3	___	_____
ES 3073	2	1	3	___	_____

Total: 24 20 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: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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
Engineering Science	32 cr hrs
Engineering Design	21 cr hrs
<b>Total:</b>	<b>133 cr hrs</b>

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