

# The University of Tulsa - Chemical Engineering (402)

## Materials Option

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

Effective Date: May 1, 2011  
 Minimum Hours for Graduation: 131

Freshman Year		Sophomore Year		Junior Year		Senior Year	
16 Hours	15 Hours	17 Hours	18 Hours	18 Hours	16 Hours	17 Hours	15 Hours
<b>BLOCK-I</b> <sup>1</sup>		<b>BLOCK-II</b> <sup>1</sup>	<b>BLOCK-I</b> <sup>1</sup>	<b>BLOCK-II</b> <sup>1</sup>	CHE 4063 CR: CHE 3084		<b>GEN ELEC. 3</b>
<b>ENGL 1033</b>	MATH 2024 PR: MATH 2014	MATH 2073 PR: MATH 2024	<b>BLOCK-II</b> <sup>1</sup>	<b>ENGL 3003</b> PR: ENGL 1033 JR. STANDING	CHE 3112 PR: MATH 3073 PR: CHE 2003	CHE 4104 PR: CHE 3084	<b>MATH ELEC.</b> <sup>2</sup>
MATH 2014	CHEM 1023 PR: CHEM 1013 CHEM 1011	PHYS 2063 PR: PHYS 2053 CR: MATH 2073	MATH 3073 PR: MATH 2024	<b>BLOCK-II</b> <sup>1</sup>	CHE 3084 PR: CHE 3063 CHE 2003	CHE 4113 PR: CHE 3112 CHE 3084	CHE 4193
CHEM 1013	CHEM 1021 CR: CHEM 1023	PHYS 2061 CR: PHYS 2063	ES 2013, ES 3083 or ES 3063 PR: PHYS 2053	CHE 3063 PR: ES 3053 PR: CHE 2003	EE 2003 PR: PHYS 2063 CR: MATH 3073	CHE 4003 PR: ES 3003 PR: ES 3073	CHE 4083 PR: ENGL 3003 PR: CHE 4104
CHEM 1011 CR: CHEM 1013	PHYS 2053 CR: MATH 2024	CHEM 3013 PR: CHEM 1023	CHE 2003 PR: CHEM 1023, CHE 1002 and 1013 CR: MATH 2024 & ES 3053	ES 3073 CR: ES 3003 CR: MATH 3073	CHEM 4023 CR: PHYS 2063 PR: CHE 3063	4000 Level Eng Course	CHE 4013 PR: CHE 4063 CR: CHE 4113 SR. STANDING
CHE 1001	PHYS 2051 CR: PHYS 2053	CHEM 3011 CR: CHEM 3013	ES 3003 PR: PHYS 2053 PR: MATH 2073 CR: ES 3053	CHEM 4093 or CHEM 4193 PR: CHEM 3033 PR: CHEM 3013	CHEM 4021 PR: CHE 3063 CR: CHEM 4023	CHEM 4083 PR: CHEM 3011, 4021, 4023	
	CHE 1013 PR: CHE 1002 CR: MATH 2014	ES 3053 PR: PHYS 2053 PR: CHEM 1013 CR: MATH 2073				CHEM 4081 PR: CHEM 4021 CR: CHEM 4083	

<sup>1</sup> 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.

<sup>3</sup> Any 3 credit 4000 level Engineering course

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

Tulsa Curriculum  
 Courses

Math, Basic  
 Science, ES

Major courses

Name: \_\_\_\_\_  
 I. D. #: \_\_\_\_\_

**MATHEMATICS**

Course	CR	Grade	Remarks
MATH 2014	4	_____	_____
MATH 2024	4	_____	_____
MATH 2073	3	_____	_____
MATH 3073	3	_____	_____
<sup>2</sup> _____	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	_____	_____
CHEM 4021	1	_____	_____
CHEM 4023	3	_____	_____
CHEM 4083	3	_____	_____
CHEM 4081	1	_____	_____
CHEM 4093	3	_____	_____

Total: 15 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

**GENERAL ELECTIVE**

Course	CR	Grade	Remarks
_____	_____	_____	_____

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 Elective	3 cr hrs
Engineering Science	35 cr hrs
Engineering Design	21 cr hrs
<b>Total:</b>	<b>131 cr hrs</b>

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

Comments: \_\_\_\_\_

**CHEM. ENG. 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	_____	_____
ChE 4193	3	0	3	_____	_____
<sup>3</sup> _____	_____	_____	3	_____	_____
ES 3003	2	1	3	_____	_____
ES 3053	2	1	3	_____	_____
ES 3073	2	1	3	_____	_____

Total: 27 20 50 Cr Hrs - minimum

**ENGINEERING SCIENCE**

Course	ES	ED	CR	Grade	Remarks
EE 2003	3	0	_____	_____	_____

Choose one of the following:  
 ES 2013, ES 3083  
 or ES 3063

_____	3	0	_____	_____	_____
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Total: 6 0 3 Cr. Hrs - minimum