

Name \_\_\_\_\_  
 Mustangs ID# \_\_\_\_\_

MIDWESTERN STATE UNIVERSITY  
 Catalog: 2020-2021  
 Date \_\_\_\_\_

**CHEMISTRY PROGRAM**  
**DEGREE PLAN - CHEMISTRY MAJOR - Option A**

**MINOR:** \_\_\_\_\_

**Expected Graduation Date:** \_\_\_\_\_

Writing Proficiency Exam (Date) \_\_\_\_\_

*If transfer work has been accepted, indicate next to course & identify college or university*

\* \_\_\_\_\_ \$ \_\_\_\_\_ # \_\_\_\_\_

Upon successful completion, place course grade in blank.

List Minor and/or Electives on back

**I. Core Requirements**

**010 Communication - 6 hours**

\_\_\_\_\_

**040 Language, Philosophy & Culture - 3 hours**

\_\_\_\_\_

**050 Creative Arts - 3 hours**

\_\_\_\_\_

**060 American History - 6 hours**

HIST 1133 \_\_\_\_\_  
 HIST 1233 \_\_\_\_\_

**070 Government/Political Science 6 hrs**

POLS 1333 \_\_\_\_\_  
 POLS 1433 \_\_\_\_\_

**080 Social & Behavioral Sciences 3 hrs**

\_\_\_\_\_

**090a Cultural & Global Understanding 3 hrs**

\_\_\_\_\_

**090b Undergraduate Inquiry & Creativity 3 hrs**

\_\_\_\_\_

**II. Opt. A Professional**

CHEM 1141 \_\_\_\_\_  
 CHEM 1143 \_\_\_\_\_  
 CHEM 1241 \_\_\_\_\_  
 CHEM 1243 \_\_\_\_\_  
 CHEM 1253 \_\_\_\_\_  
 CHEM 2001 \_\_\_\_\_  
 CHEM 2003 \_\_\_\_\_  
 CHEM 2011 \_\_\_\_\_  
 CHEM 2013 \_\_\_\_\_  
 CHEM 3305 \_\_\_\_\_  
 CHEM 3405 \_\_\_\_\_  
 CHEM 3603 \_\_\_\_\_  
 CHEM 3705 \_\_\_\_\_  
 CHEM 4243 \_\_\_\_\_  
 CHEM 4305 \_\_\_\_\_

*\*2 hrs required*

\*CHEM 4001 \_\_\_\_\_  
 \*CHEM 4001 \_\_\_\_\_

*Adv. Chem 3 hrs +1 hr lab*


**III. Program Requirements**

MATH 1233 \_\_\_\_\_  
 MATH 1433 \_\_\_\_\_  
 or MATH 1534 \_\_\_\_\_  
 MATH 1634 \_\_\_\_\_  
 MATH 1734 \_\_\_\_\_  
 MATH 2534 \_\_\_\_\_  
 MATH 3433 \_\_\_\_\_  
 STAT 3573 \_\_\_\_\_  
 PHYS 1624 \_\_\_\_\_  
 PHYS 2644 \_\_\_\_\_

**IV. ACS Honors Option**


**Total Hours** \_\_\_\_\_

**Total Adv. Hours** \_\_\_\_\_

**Total Transfer Hours** \_\_\_\_\_

**TOTAL HOURS MUST BE minimum 120 (Developmental Courses Excluded)**  
**TOTAL ADVANCED HOURS MUST BE minimum 33.**

\_\_\_\_\_  
**Student** - I understand that this degree plan does not supersede catalog requirements for which I am fully responsible.

\_\_\_\_\_  
**Chair Major** - \_\_\_\_\_ Date

\_\_\_\_\_  
**Chair - Minor** \_\_\_\_\_ Date

\_\_\_\_\_  
**Advisor** \_\_\_\_\_ Date

\_\_\_\_\_  
**Dean** \_\_\_\_\_ Date

**IV. Minor**


**V. Electives**


**Additional Comments or Explanations**

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**2017-2018 APPROVE CORE CURRICULUM**  
ADDITIONAL CLASSES WILL BE ADDED ONCE APPROVED BY T.H.E.C.

**010 Communication**

**6 hrs**

**Choose one class from:**

ENGL 1103 (or SPCH 1103) Intro to Communication  
ENGL 1123 Rhetoric & Composition  
SPCH 1143 Academic Research and Writing

**Choose one class from:**

ENGL 1153 Intro to Reading and Writing in Literature  
ENGL 2123 Rhetoric of Visuals and Infographics  
ENGL 2203 Introduction to Professional Writing  
MCOM 1243 Media Writing and Reporting  
MCOM 2403 Social Media  
SPCH 1133 Fundamentals of Speech Communication  
SPCH 2423 Interpersonal Communication

**040 Language, Philosophy & Culture** **3 hrs**

ENGL 2413 World Literature  
ENGL 2423 World Literature  
ENGL 2613 Survey of American Literature  
ENGL 2623 Survey of American Literature  
ENGL 2813 Survey of English Literature  
ENGL 2823 Survey of English Literature  
FREN 1134 Elementary French  
GERM 1134 Elementary German  
HIST 1333 Survey of Western Civilization  
HIST 1433 Survey of Western Civilization  
HUMN 2013 Humanities: The Ancient World  
HUMN 2023 Humanities: Medieval Cultures  
HUMN 2033 Humanities: Renaissance to Realism  
HUMN 2043 Humanities: Mid-19<sup>th</sup>-20<sup>th</sup> Centuries  
PHIL 1033 Introduction to Philosophy  
PHIL 2033 Ethics  
PHIL 2133 Political Philosophy  
PHIL 2213 Asian Philosophy and Religion  
PHIL 2223 Feminist Philosophy  
PHIL 2333 Philosophy of Religion  
SPAN 1134 Elementary Spanish I

**050 Creative Arts**

**3 hrs**

ART 1413 Art Appreciation  
MCOM 2213 Appreciation of Film  
MUSC 1033 Music Appreciation  
MUSC 2733 Intro to Western & World Music  
THEA 1503 Appreciation of Theatre  
THEA 2423 Drama Analysis

**080 Social & Behavioral Sciences** **3 hrs**

ECON 1333 General Economics  
ECON 2333 Principles of Macroeconomics  
PSYC 1103 General Psychology  
SOCL 1133 Introductory Sociology

**090 Component Area Option** **6 hrs**

***3 hrs from Cultural & Global Understanding***

EDUC 2013 School and Society  
FREN 1234 Elementary French  
GERM 1234 Elementary German  
HSHS 1013 Global Health and Wellness  
HUMN 2013 Humanities: The Ancient World  
(with special permission and if not used in Language, Philosophy & Culture)  
HUMN 2023 Humanities: Medieval Cultures  
(with special permission and if not used in Language, Philosophy & Culture)  
HUMN 2033 - Humanities: Renaissance through Realism  
(with special permission and if not used in Language, Philosophy & Culture)  
HUMN 2043 Humanities: Mid-19<sup>th</sup>-20<sup>th</sup> Centuries  
(with special permission and if not used in Language, Philosophy & Culture)  
INTS 2503 Introduction to Global Studies  
LATS 2503 Introduction to Latin American Studies  
MCOM 1233 Introduction to Mass Communication  
MCOM 2523 The Internet and Society  
MUSC 2733 Introduction to Western and World Music  
(with special permission and if not used in Creative Arts)  
POLS 2523 Foundations of Government and Politics  
SOCL 2233 Global Social Problems  
SPAN 1234 Elementary Spanish II  
WGST 2503 Introduction to Women's and Gender Studies  
&

***3 hrs from Undergraduate Inquiry & Creativity***

ART 1613 Ceramics for Non-Art Majors  
BUAD 1033 Foundations of Business  
COUN 2143 Human Diversity  
ENGL 2123 Rhetoric of Visuals and Infographics  
(with special permission and if not used in Communication)  
MCOM 2833 Web Site Design  
MWSU 2003 Creative Inquiry: Interdisciplinary Thinking  
SCIE 2103 Understanding Sci., Eng., & Technology  
SOCL 1143 Sociological Inquiry  
THEA 1103 Acting for Non-Majors  
THEA 2103 Playwrights & Scientists: Interesting Bedfellow

**CHEMISTRY OPTION A**  
**Professional Option**  
**EXAMPLE CURRICULUM**

<b>FALL</b>	<b>SPRING</b>	<b>FALL</b>	<b>SPRING</b>
<b>YEAR 1</b>		<b>YEAR 2</b>	
HIST 1133	HIST 1233	CHEM 2001	CHEM 2011
CHEM 1141	CHEM 1241	CHEM 2003	CHEM 2013
CHEM 1143	CHEM 1243	CHEM 1253 <sup>2</sup>	090 CORE <sup>1</sup>
POLS 1333	POLS 1433	MATH 1634	MATH 1734
MATH 1233	MATH 1433	090 CORE <sup>1</sup>	STAT 3573
010 CORE <sup>1</sup> 3 hrs	010 CORE <sup>1</sup>	<b>14 hrs</b>	<b>14 hrs</b>
<b>16 hrs</b>	<b>16 hrs</b>		
<b>YEAR 3</b>		<b>YEAR 4</b>	
CHEM 3305	CHEM ADV <sup>2</sup>	CHEM 4001	CHEM 4001
CHEM Adv Lab 1 hr	CHEM 3405	CHEM 3603	CHEM 3705 <sup>2</sup>
CHEM 4243	PHYS 2644	ELECTIVE 4 hrs	CHEM 4305 <sup>2</sup>
PHYS 1624	MATH 3433	080 CORE <sup>1</sup>	050 CORE <sup>1</sup> 3 hrs
MATH 2534		040 CORE <sup>1</sup>	
<b>17 hrs</b>	<b>15 hrs</b>	<b>14 hrs</b>	<b>14 hrs</b>

1 - See Approved Core Class list

2 - Odd/Even Year Course Sequence

THIS CURRICULUM DOES NOT SUPERSEDE CATALOG REQUIREMENTS FOR WHICH STUDENT IS FULLY RESPONSIBLE

BS in Chemistry . .	≥ 2.0 GPA
BS in Chemistry . .	ACS Certified ≥ 2.5 GPA
<b>BS In Chemistry</b>	<b>ACS Certified w/Honors</b>
	≥ 3.0 GPA overall
	≥ 3.3 Chemistry GPA
	4 hours Research Credit
	<b>4911, 4922, 4933</b>
	Research Paper