

# THE NAVIGATOR

## B.A. in Chemistry

2006-2007

*The Navigator* will help you develop a 4-year academic plan, enabling you to stay on course with your degree program. The recommended sequence of courses below can be modified to meet your personal needs. Please refer to the catalog for prerequisite information if the sequence is modified, and for possible limitations on elective credits. **It is important to meet with an advisor when planning your schedule each semester, and it is equally important that you review your Cougar Trail ONCOURSE degree audit before and after registering each semester to verify that you are "On Course".** *Students are reminded that they are ultimately responsible for their own academic program and course load. An advisor can only advise and can never replace individual student responsibility.*

**\*\*Please note detailed Course Requirements are on the next page.**

### Freshman Year

Fall			Spring		
		Credits			Credits
_____	ENGL 101	3	_____	ENGL 102	3
_____	MATH 111	3	_____	MATH 120	4
_____	Foreign Language 101	3	_____	Foreign Language 102	3
_____	CHEM 111 w/lab	4	_____	CHEM 112 w/lab	4
_____	FRSR 101 Freshman Seminar or General Elective	2 or 3	_____	Social Science	3
		15 –16 credits			17 credits

### Sophomore Year

Fall			Spring		
		Credits			Credits
_____	CHEM 231 w/lab	4	_____	CHEM 232 w/lab	4
_____	MATH 220	4	_____	CHEM 221 w/lab	4
_____	PHYS 201 w/lab	4	_____	PHYS 202 w/lab	4
_____	Foreign Language 201	3	_____	Foreign Language 202	3
		15 credits			15 credits

### Junior Year

Fall			Spring		
		Credits			Credits
_____	HIST 101 or 103	3	_____	HIST 102 or 104	3
_____	CHEM 490	1	_____	CHEM 342 w/lab	4
_____	CHEM 341 w/lab	4	_____	Social Science	3
_____	General Elective or CSCI 220	3	_____	General Elective or Minor	3
_____	Humanities*	3	_____	Humanities*	3
		14 credits			16 credits

### Senior Year

Fall			Spring		
		Credits			Credits
_____	CHEM 490	1	_____	CHEM 492	1
_____	CHEM Elective	3	_____	CHEM Elective	3
_____	General Elective or Minor	3	_____	General Elective or Minor	3
_____	General Elective or Minor	3	_____	General Elective or Minor	3
_____	General Elective or Minor	3	_____	General Elective or Minor	3
_____	Humanities*	3	_____	Humanities*	3
		16 credits			16 credits

*\*See Humanities list and catalog for restrictions*

**Minimum Hours Required for Degree Completion =122**

**CHEMISTRY (BA)  
DEGREE REQUIREMENTS  
2006-2007**

**General Education Requirements**

**Major Requirements**

	Course	Semester Hours		Course	Semester Hours	
English	101	3		<b>Chemistry Major Courses</b>		
	102	3		Principles of Chemistry w/lab	CHEM 111	4
History	101 & 102 or 103 & 104 (Two course sequence)	6		Principles of Chemistry w/lab	CHEM 112	4
	Natural Sciences	Astronomy, Biology, Chemistry, Geology, Physics (Two course sequence with lab)		8	Quantitative Analysis w/lab	CHEM 221
Mathematics				111 & 120	7 <sup>1</sup>	Organic Chemistry w/lab
	Foreign Language	101-202			0-12 <sup>1</sup>	Organic Chemistry w/lab
Social Sciences					6	Physical Chemistry w/lab
	Humanities	(See ONCOURSE for detailed list and limitations)			12	Physical Chemistry w/lab
<b>Total</b>					<b>44-57<sup>1</sup></b>	Seminar
					<b>One Chemistry Elective at the 300 level or above excluding CHEM 583.<sup>2</sup></b>	
				<b>Total</b>		<b>32</b>

**Summary:**  
These totals may vary:

General Education Courses	<b>44-57<sup>1</sup></b>
Major Courses	<b>32</b>
General Electives	<b>33-46<sup>1</sup></b>
Minor Courses	—
<b>TOTAL DEGREE HOURS:</b>	<b>122</b>

**NOTE:**

- \* **PLEASE REFER TO THE CATALOG FOR COURSE PREREQUISITES.**
- \* **ALL CHEMISTRY MAJORS ARE ENCOURAGED TO PARTICIPATE IN THE RESEARCH PROGRAM IN THEIR JUNIOR YEAR OR SENIOR YEAR.**
- \* **CHEM 490 MAY BE TAKEN TWICE FOR CREDIT.**
- \* **ALL JUNIOR & SENIOR CHEMISTRY MAJORS ARE STRONGLY ENCOURAGED TO ATTEND THE SCHEDULED DEPARTMENTAL SEMINARS.**
- \* **MATH 221 & CHEM 481/482 ARE STRONGLY RECOMMENDED.**
- \* **CHEMISTRY MAJORS ARE STRONGLY URGED TO TAKE AT LEAST ONE COMPUTER SCIENCE COURSE. ADVANCED MATHEMATICS COURSES ARE HIGHLY RECOMMENDED FOR STUDENTS WHO PLAN TO PURSUE GRADUATE STUDIES.**
- \* **PLEASE REFER TO THE CHEMISTRY DEPARTMENTAL WEBSITE AT <http://www.cofc.edu/~chem/> FOR DETAILED INFORMATION.**

<sup>1</sup> Required credits may vary based on course selection and placement.

<sup>2</sup> See catalog and major advisor for specific course selections.