

CORE CURRICULUM	Minimum Hours Required	OPTION 2: COMPUTATION	Minimum Hours Required
Core courses must be chosen from approved lists. <i>bit.ly/1d6oP6l</i>		<b>1 course from:</b> SDS 329C, M 340L, M 341	<b>3</b>
<b>First Year Signature Course</b>	<b>3</b>	<b>Biochemistry:</b> BCH 369 or 339F	<b>3</b>
<b>English Composition</b>	<b>3</b>	<b>Physical chemistry:</b> CH 353 or 353M CH 153K CH 354 or 354L CH 154K	<b>8</b>
<b>Humanities</b>	<b>3</b>	<b>Inorganic chemistry:</b> CH 431	<b>4</b>
<b>American &amp; Texas Government</b>	<b>6</b>	<b>Analytical chemistry:</b> CH 456 CH 376K	<b>7</b>
<b>American History</b>	<b>6</b>	<b>CH 354M or 368</b> (Topics: Computational Chemistry; or Introduction to Computational Methods in Chemistry)	<b>3</b>
<b>Social &amp; Behavioral Science</b>	<b>3</b>	<b>1 laboratory course from:</b> BCH 369T; CH 341, 369K, 371K	<b>3</b>
<b>Mathematics</b> (Fulfilled by course in major)	<b>0</b>	<i>Note: 1 additional enrollment in CH 369K, 371K, and 372C may count only as general elective hours toward a chemistry degree.</i>	
<b>Science &amp; Technology-I</b> (Fulfilled by courses in major)	<b>0</b>	<b>SDS 322 or 222</b>	<b>2–3</b>
<b>Science &amp; Technology-II</b> (Fulfilled by courses in major)	<b>0</b>	<b>3 courses selected from 2 or more of the following:</b>	<b>9</b>
<b>Visual &amp; Performing Arts</b>	<b>3</b>	a. Numerical methods: SDS 335; M 348; CS 323E, 323H, 367; CHE 348 b. Statistical methods: M 358K, 378K; BME 335 c. Other computing topics: M 346, 362M, 368K, 372K, 376C; SDS 329D, 374C, 374D, 374E; CS 324E, 327E, 329E (approved topics), 377; ME 367S	
<b>SKILLS &amp; EXPERIENCE FLAGS</b>		<i>Option 2 may simultaneously fulfill some of the requirements of the Certificate in Scientific Computation.</i>	
Flags attached to courses are displayed in the online Course Schedule.		<b>ELECTIVES</b>	
<b>Two Writing Flags:</b>	<input type="checkbox"/> <input type="checkbox"/>	<b>Enough elective hours to reach 127 total</b>	<b>VARY</b>
1. Core Writing Flag (cannot also fulfill another core curriculum requirement)		(The number of elective hours needed may vary depending on course selections.)	
2. Additional Writing Flag <i>Note: One of the two writing flags must be upper-division.</i>			
<b>One Quantitative Reasoning Flag</b>	<input type="checkbox"/>		
<b>One Global Cultures Flag</b>	<input type="checkbox"/>		
<b>One Cultural Diversity in the U.S. Flag</b>	<input type="checkbox"/>		
<b>One Ethics and Leadership Flag</b>	<input type="checkbox"/>		
<b>One Independent Inquiry Flag</b>	<input type="checkbox"/>		
<b>FOREIGN LANGUAGE</b>			
<b>1 of the following:</b>	<b>6–12</b>		
a. Beginning level proficiency in a foreign language			
b. 1st course in a foreign language & 1 three-hour course in the culture of the same language area			
c. 2 three-hour courses from the same foreign culture area			
<i>Foreign culture courses selected from approved lists maintained by the college. Bit.ly/19Ao6pc</i>			
<b>INTRODUCTORY SCIENCE</b>			
M 408C & 408D or 408N & 408S & 408M	<b>8–12</b>		
CH 301H or 301H, 302 or 302H, and 317	<b>9</b>		
<b>1 of the following organic chemistry sequences:</b>	<b>8</b>		
CH 328M, 128K, 328N, 128L CH 320M, 320N, 220C			
<b>1 of the following sequences:</b>	<b>8</b>		
PHY 317K, 117M, 317L, 117N PHY 303K, 103M, 303L, 103N PHY 301, 101L, 316, 116L			
<i>Note: Introductory science is substantially different for Option 4 (Chemistry Honors).</i>			