

## **Plan of Study- BS in Chemical Engineering**

<b>Year/Semester</b>	<b>Code</b>	<b>Course Title</b>	<b>Credits</b>
1/Fall	SOCS 102	Omani Society	3
1/Fall	ENGL 101	Basic Academic English I	3
1/Fall	MATH 199	Calculus I	3
1/Fall	CHEM 140	Chemistry I	3
1/Fall	CHEM140L	Introductory Chemistry Laboratory	1
1/Fall	ENGR 105	Engineering Graphics	2
		<b>Total</b>	<b>15</b>
1/Spring	EECE 130	Computers and Programming I	3
1/Spring	CHEM 180	Chemistry II	3
1/Spring	ENGL 102E	English for Engineering and Sciences I	3
1/Spring	ENGR 100	Introduction to Engineering	3
1/Spring	MATH 200	Calculus II	3
1/Spring	ENGR 110	Engineering Workshop	1
		<b>Total</b>	<b>16</b>
1/Summer	ENGL 203E	English for Engineering and Sciences II	3
1/Summer	MATH 250E	Probability and Statistics	3
		<b>Total</b>	<b>6</b>
2/Fall	CHEE 270	Fluid Mechanics for Chemical Engineers	3
2/Fall	CHEM 260	Analytical Chemistry	3
2/Fall	PHYS 170	Fundamentals of Physics I	3
2/Fall	CHEE 275	Thermodynamics for Chemical Engineers	3
2/Fall	CHEE 201	Principles of Chemical Engineering	3
2/Fall	CHEM 210	Organic Chemistry I	3
		<b>Total</b>	<b>18</b>
2/Spring	CHEE 270L	Fluid Mechanics Laboratory	1
2/Spring	ENTR 200	Introduction to Entrepreneurship	3
2/Spring	CHEE 208	Instrumentation	3
2/Spring	CHEM 370	Physical Chemistry for Engineers	3
2/Spring	CHEE 280	Mass Transfer	3
2/Spring	CHEM 250	Organic Chemistry II	3
2/Spring	CHEM 250L	Organic Chemistry Laboratory	1
		<b>Total</b>	<b>17</b>

2/Summer	MATH 210	Differential Equations	3
2/Summer	MATH 205	Calculus III	3
		<b>Total</b>	<b>6</b>
3/Fall	CHEE 300	Computational Methods in Chemical Engineering	3
3/Fall	CHEE 380	Heat Transfer	3
3/Fall	MATH 335	Mathematics for Science and Engineering	3
3/Fall	ENGL 204	Advanced English for Academic Purposes and Research	3
3/Fall	CHEE 330	Materials Science	3
3/Fall	CHEE 340	Introduction to Biotechnology	3
		<b>Total</b>	<b>18</b>
3/Spring	CHEE 310	Reactive Process Engineering	3
3/Spring	ENGR 300	Engineering Economy	3
3/Spring	CHEE 470	Chemical Process Dynamics and Control	3
3/Spring	ENGL 305	Advanced English Language and Communication Skills	3
3/Spring	CHEE XXX	Major Elective Laboratory -1	1
3/Spring	CHEE XXX	Major Elective Laboratory -2	1
3/Spring	CHEE XXX	Major Elective-1	3
		<b>Total</b>	<b>17</b>
3/Summer	CHEE 400	Practical Training	0
		<b>Total</b>	<b>0</b>
4/Fall	CHEE 401	Final Year Project I	0
4/Fall	CHEE 410	Separation Process Engineering	3
4/Fall	CHEE 420	Chemical Engineering Process Design	3
4/Fall	CHEE 000	Major Elective-2	3
4/Fall	ARAB 101	Academic Writing in Arabic	3
4/Fall	CHEE 370	Chemical Process Safety and Hazards Management	3
		<b>Total</b>	<b>15</b>
4/Spring	CHEE 402	Final Year Project II	3
4/Spring	CHEE XXX	Major Elective-3	3
4/Spring	XXX	Free General Elective	3

4/Spring	CHEE XXX	Major Elective Laboratory -3	<b>1</b>
		<b>Total Semester Credit Hours</b>	<b>10</b>