



## 2021 – 2022 Minors

Biochemistry		CREDIT HOURS
<b>Chemistry</b>		<b>23</b>
<input type="checkbox"/>	CHE 111/CHE 111L, General Chemistry I and Lab	4
<input type="checkbox"/>	CHE 113/ CHE 113L, General Chemistry II and Lab	4
<input type="checkbox"/>	CHE 220/CHE 220L, Organic Chemistry I and Lab	4
<input type="checkbox"/>	CHE 330, Biochemistry	3
<input type="checkbox"/>	CHE 340, Biochemistry II	3
<input type="checkbox"/>	CHE 330L, Biochemistry Lab or CHE 340L, Biochemistry II Lab or CHE 370, Selected Projects in Chemical Research	1-3
<b>Mathematics</b>		<b>6</b>
<input type="checkbox"/>	MAT Electives at 143 level or higher	6
<b>Electives</b>		<b>6</b>
<input type="checkbox"/>	6 Hours of Biology, Physics, Mathematics, or Computer Information Systems approved by Chemistry Chair	

Biology		CREDIT HOURS
<b>Biology</b>		<b>15</b>
<input type="checkbox"/>	Biology 101/ BIO101L, General Biology I and Lab	4
<input type="checkbox"/>	BIO 102/ BIO 102L, General Biology II and Lab	4
<input type="checkbox"/>	BIO 204, Evolution Seminar	3
<input type="checkbox"/>	BIO 206/ BIO 206L, Genetics and Lab	4
<input type="checkbox"/>	8 Hours of BIO Electives at 300-Level or Above	8

Bioinformatics and Computational Biology		CREDIT HOURS
<b>Biology</b>		<b>11-12</b>
<input type="checkbox"/>	BIO 101/ BIO 101L, General Biology I and Lab	4
<input type="checkbox"/>	BIO 206/ BIO 206L, Genetics and Lab	4
<input type="checkbox"/>	BIO 333/ BIO 333L, Bioinformatics and Lab or BIO 333A, Bioinformatics Lecture Only	3-4
<b>Computer Information Systems</b>		<b>9</b>
<input type="checkbox"/>	CIS 111, Introduction to Computer Information Systems or CIS 113, Computer Applications and Hardware	3
<input type="checkbox"/>	CIS 114, Introduction to Programming	3
<input type="checkbox"/>	CIS 267, Database Management	3
<b>Mathematics</b>		<b>7</b>
<input type="checkbox"/>	MAT 143, Elements of Calculus or MAT 151, Calculus Analytic Geometry I	4
<input type="checkbox"/>	MAT 205, Introductory Statistics or MAT 340, Probability and Statistics for Scientists	3
<b>Electives (choose any course from list)</b>		<b>3-4</b>
<input type="checkbox"/>	MIS 415, Data Mining, Warehousing, and Big Data	3
<input type="checkbox"/>	BIO 330/ BIO 330L, Biochemistry and Lab	4
<input type="checkbox"/>	BIO 341/ BIO 341L, Molecular Genetics and Lab	4

Environmental Science		CREDIT HOURS
<b>Biology</b>		<b>12</b>
<input type="checkbox"/>	BIO 101/ BIO 101L, General Biology I and Lab	4
<input type="checkbox"/>	BIO 102/ BIO 102L, General Biology II and Lab	4
<input type="checkbox"/>	BIO 318/ BIO318L, Ecology and Lab	4
<b>Environmental Science</b>		<b>10</b>
<input type="checkbox"/>	ENV 214/ ENV 214L, Environmental Science and Lab	4
<input type="checkbox"/>	ENV 215, Current Topics and Methods	3
<input type="checkbox"/>	ENV 316, Environmental Geosciences	3
<b>Mathematics</b>		<b>3</b>
<input type="checkbox"/>	MAT 205, Introductory Statistics	3

Marine Biology		CREDIT HOURS
<b>Biology</b>		<b>27-28</b>
<input type="checkbox"/>	BIO 101/ BIO 101L, General Biology I and Lab	4
<input type="checkbox"/>	BIO 102/ BIO 102L, General Biology II and Lab	4
<input type="checkbox"/>	BIO 236, Special Topics in Marine Biology or NSB 236, Special Topics in Marine Biology	3
<input type="checkbox"/>	BIO 311/ BIO 311L, Marine Biology and Lab	4
<input type="checkbox"/>	BIO 336/ BIO 336L, Oceanography and Lab	4
<input type="checkbox"/>	BIO 400, Independent Study and Research	1-4
<input type="checkbox"/>	BIO 496, Methods in Marine Biology and Conservation	3

Chemistry		CREDIT HOURS
<b>Chemistry</b>		<b>23</b>
<input type="checkbox"/>	CHE 111/ CHE 111L, General Chemistry I and Lab	4
<input type="checkbox"/>	CHE 113/ CHE 113L, General Chemistry II and Lab	4
<input type="checkbox"/>	CHE 220/ CHE 220L, Organic Chemistry I and Lab	4
<input type="checkbox"/>	CHE 240/ CHE 240L, Organic Chemistry II and Lab	4
<input type="checkbox"/>	7 Hours CHE Electives 300 – Level or Above	7
<b>Supporting Courses</b>		<b>12</b>
<input type="checkbox"/>	6 Hours MAT Electives (cannot be MAT 115, MAT 121, MAT 122, or MAT 125)	6
<input type="checkbox"/>	6 Hours BIO, PHY, MAT, or CIS Electives	6

Forensic Science		CREDIT HOURS
<b>Chemistry</b>		<b>8</b>
<input type="checkbox"/>	CHE 385/ CHE 385L, Quantitative Analysis and Lab	4
<input type="checkbox"/>	CHE 415/ CHE 415L, Instrumental Analysis and Lab	4
<b>Biology</b>		<b>4</b>
<input type="checkbox"/>	BIO 101/ BIO 101L, General Biology I and Lab	4
<b>Criminal Justice</b>		<b>6</b>
<input type="checkbox"/>	CRJ 101, Introduction to Criminal Justice	3
<input type="checkbox"/>	CRJ 301, Criminal Law and Courts	3
<b>Optional Courses</b>		
<input type="checkbox"/>	BIO 206/ BIO 206L, Genetics and Lab	4
<input type="checkbox"/>	BIO 341, BIO 341L, Molecular Genetics and Lab	4
<input type="checkbox"/>	PSY 105, General Psychology	3
<input type="checkbox"/>	PSY 206, Abnormal Psychology	3



## 2021 – 2022 Minors

Gerontology	CREDIT HOURS
<b>Biology</b>	<b>9-13</b>
<i>Track 1 (Typically Biology Majors)</i>	
<input type="checkbox"/> BIO 207, Medical Terminology	2
<input type="checkbox"/> BIO 211/ BIO 212L, Anatomy and Physiology I and Lab	4
<input type="checkbox"/> BIO 212/ BIO 212L, Anatomy and Physiology II and Lab	4
<input type="checkbox"/> BIO 227, Biology of Aging	3
<i>Track 2 (Typically Nursing Majors)</i>	
<input type="checkbox"/> BIO 211/ BIO 211L, Anatomy and Physiology I and Lab	4
<input type="checkbox"/> BIO 212/ BIO 212L, Anatomy and Physiology II and Lab	4
<input type="checkbox"/> BIO 207, Medical Terminology	2
<input type="checkbox"/> NUR 206, Gerontological Nursing	2
<i>Track 3 (All Majors)</i>	
<input type="checkbox"/> NSB 208, Biology of Ageing	3
<input type="checkbox"/> NSB 209/ NSB 209L, Biology of the Human and Lab	4
<input type="checkbox"/> BIO 207, Medical Terminology	2
<b>Psychology</b>	<b>6</b>
<input type="checkbox"/> PSY 105, General Psychology	3
<input type="checkbox"/> PSY 218, Adult Development and Aging	3
<b>Sociology</b>	<b>6</b>
<input type="checkbox"/> SOC 105, Principles of Sociology	3
<input type="checkbox"/> SOC 216, Class, Race, and Gender or SOC 217, Social Problems or SOC 218, Sociology and Dating, Marriage, & Family	3
<b>Theology/Philosophy</b>	<b>6</b>
<input type="checkbox"/> PHI 305, Philosophy of Human Nature	3
<input type="checkbox"/> THE 308, Death: A Fact of Life or PSY 316, Cognition	3
<b>Gerontology Practicum</b>	<b>3</b>
<input type="checkbox"/> BIO 401, Gerontology Practicum or NUR 404, Advanced Nursing Care of the Adult or NUR 405, Chronicity and Nursing	3

Physics	CREDIT HOURS
<b>Physics</b>	<b>16-17</b>
<input type="checkbox"/> PHY 121/ PHY 121L, Elements of Physics I and Lab	4
<input type="checkbox"/> PHY 141/ PHY 141L, General Physics I and Lab	4-5
<input type="checkbox"/> PHY 142/ PHY 142L, General Physics II and Lab	4-5
<input type="checkbox"/> PHY 241/ PHY 241L, General Physics III and Lab	4
<b>Mathematics</b>	<b>12</b>
<input type="checkbox"/> MAT 151, Calculus Analytic Geometry I	4
<input type="checkbox"/> MAT 152, Calculus Analytic Geometry II	4
<input type="checkbox"/> MAT 201, Calculus Analytic Geometry III	4
<b>Choose One Track</b>	
<i>Track One</i>	<b>9</b>
<input type="checkbox"/> PHY 242, Modern Physics	3
<input type="checkbox"/> PHY 311, Statics	3
<input type="checkbox"/> PHY 317, Astrophysics	3
<i>Track Two</i>	<b>10</b>
<input type="checkbox"/> PHY 242, Modern Physics	3
<input type="checkbox"/> PHY 321, Advanced Experimental Physics I	1
<input type="checkbox"/> PHY 322, Advanced Experimental Physics II	1
<input type="checkbox"/> PHY 251/ PHY 251L,	4
<i>Track Three</i>	<b>10</b>
<input type="checkbox"/> MAT 202, Differential Equations	4
<input type="checkbox"/> PHY 311, Statics	3
<input type="checkbox"/> PHY 315, Thermal Physics	3

Mathematics	CREDIT HOURS
<b>Mathematics</b>	<b>24</b>
<input type="checkbox"/> MAT 151, Calculus Analytic Geometry I	4
<input type="checkbox"/> MAT 152, Calculus Analytic Geometry II	4
<input type="checkbox"/> MAT 201, Calculus Analytic Geometry III	4
<input type="checkbox"/> 9 Hours of MAT Electives 202 or Above (excluding MAT 205 and MAT 208)	9