## **COLLEGE OF SCIENCE – CELL, MOLECULAR and MEDICAL BIOLOGY MAJOR**

A minimum of <u>40 CREDITS</u> must be earned from within BSC; Independent study BSC 485 – 488 does <u>NOT</u> count toward this requirement. BSC 227, 228 & 250 do <u>NOT</u> count toward this major. Course offerings are subject to change semesters. Consult each semester's schedule of courses for availability.

A 2.0 GPA in your major is required for graduation.

## COMPLETEDMAJOR SPECIFIC REQUIREMENTS

<b>Required</b> Courses	Sem	Hrs	Grade	<b>Required Courses</b>	Sem	Hrs	Grade
BSC 120 Principles I	F&S	4		BSC 322 Cell	F&S	4	
BSC 121 Principles II	F&S	3	. <u></u>	BSC 324 Genetics	F&S	4	
BSC 302 Microbiology	F&S	4		BSC 491 Capstone	F&S	2	
		ose at	least 3 from	n the 4 below courses. These course	•	ot cour	ıt twice.
**BSC/CHM 365 Biochem	F	3		BSC 422 Animal Phys	F&S	4	
BSC 420 Plant Phys.	S	4		BSC 450 Molecular Bio	F	3	
**Prerequisite for BSC 365	is CHN	M 356.					
					Total	31 – 3	2 Hours
Required by Major Elective	es – Ch	oose 9	- 10 hours				
BSC 301 Vert. Embryo.	F&S	4		BSC 426 Medical Entomology	Sum	4	
BSC 304 Micro Lab	F&S	2		BSC 442 Advanced Micro	F	4	
BSC 310 Comp Vert Anat	S	4		BSC 450 Molec. Bio	F	3	
BSC 413 Organic Evolution	ιF	3		BSC 452 Molec. Lab Tech.	F	3	
BSC 417 Biostatistics	F&S	3		BSC 454 Adv. Mthds Molec.		3	
BSC 424 Animal Parasi.	S	3		Fourth "required by major" Cour	se	3-4	
DCC 440 L		3		Special Topics-permission			
BSC 448 Immunology				Total Biolog	y Hours	must	ve Hours
COMPLETED – CHEMIS				Total Total Biolog C average of the listed Chemistry co	<mark>gy Hours</mark> ourses pro	<b>must</b> ovides	be at least 40 l
COMPLETED – CHEMIS CHM 211 Chem I ( <i>Pre-reqs</i> CHM 212 Chem II ( <i>Pre-req</i>	s: ACT s: C or	23 or l • better	higher <b>OR</b> ( in CHM 2	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab	<mark>gy Hours</mark> ourses pro	<b>must</b> ovides	be at least 40 i
COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re	s: ACT s: C or eqs: C o	23 or i better or bette	higher <b>OR</b> ( in CHM 2) er in CHM 2	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212)	<b>gy Hours</b> ourses pro ab 3, 2 3, 2 3	<b>must</b> ovides	be at least 40 i
 COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re	s: ACT s: C or eqs: C o	23 or i better or bette	higher <b>OR</b> ( in CHM 2) er in CHM 2	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212)	gy Hours purses pro ab 3, 2 3, 2 3 3	<b>must</b> ovides	be at least 40 i
 COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re	s: ACT s: C or eqs: C o	23 or i better or bette	higher <b>OR</b> ( in CHM 2) er in CHM 2	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212)	<b>gy Hours</b> ourses pro ab 3, 2 3, 2 3	<b>must</b> ovides	be at least 40 l
 COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re CHM 361 Organic Lab	s: ACT ps: C or eqs: C c reqs: C c	23 or 1 better or bette or bette	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212) 355)	<b>y Hours</b> purses pro ab 3, 2 3, 2 3 3 3 3	<b>must</b> ovides 2	be at least 40   a minor.) 
COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re CHM 361 Organic Lab COMPLETED – PHYSICS	s: ACT as: C or eqs: C o reqs: C o S (Pre-r	23 or 1 • better or bette or bette • eqs. A	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM CT MTH 22	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212) 355) 7 or higher, MTH 229, 132, <b>OR</b> 127/	y Hours purses pro- ab 3, 2 3, 2 3 3 3 (130/140)	Must i	be at least 40   a minor.) 
<ul> <li>COMPLETED – CHEMIS</li> <li>CHM 211 Chem I (Pre-reqs</li> <li>CHM 212 Chem II (Pre-req</li> <li>CHM 355 Organic I (Pre-req</li> <li>CHM 356 Organic II (Pre-req</li> <li>CHM 361 Organic Lab</li> <li>COMPLETED – PHYSICS</li> <li>PHY 201 &amp; 202, Gen Physic</li> </ul>	s: ACT gs: C or eqs: C c reqs: C G (Pre-r ccs I & 1	23 or 1 better or bette or bette reqs. A Lab 3	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM CT MTH 27 1	Total Biolog           C average of the listed Chemistry co           CHM 111 with C or better) & 217, L           11) & 218, Lab           212)           355)           7 or higher, MTH 229, 132, OR 127/              PHY 203& 204 Gen Phy	y Hours purses pro- ab 3, 2 3, 2 3 3 3 (130/140)	Must i	be at least 40   a minor.) 
COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re CHM 361 Organic Lab COMPLETED – PHYSICS	s: ACT gs: C or eqs: C c reqs: C G (Pre-r ccs I & 1	23 or 1 better or bette or bette reqs. A Lab 3	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM CT MTH 27 1	Total Biolog           C average of the listed Chemistry co           CHM 111 with C or better) & 217, L           11) & 218, Lab           212)           355)           7 or higher, MTH 229, 132, OR 127/              PHY 203& 204 Gen Phy	y Hours purses pro- ab 3, 2 3, 2 3 3 3 (130/140)	Must i	be at least 40   a minor.) 
<ul> <li>COMPLETED – CHEMIS</li> <li>CHM 211 Chem I (Pre-reqs</li> <li>CHM 212 Chem II (Pre-req</li> <li>CHM 355 Organic I (Pre-req</li> <li>CHM 356 Organic II (Pre-req</li> <li>CHM 361 Organic Lab</li> <li>COMPLETED – PHYSICS</li> <li>PHY 201 &amp; 202, Gen Physic</li> </ul>	s: ACT gs: C or eqs: C c reqs: C G (Pre-r ccs I & 1	23 or 1 better or bette or bette reqs. A Lab 3	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM CT MTH 27 1	Total Biolog           C average of the listed Chemistry co           CHM 111 with C or better) & 217, L           11) & 218, Lab           212)           355)           7 or higher, MTH 229, 132, OR 127/              PHY 203& 204 Gen Phy	y Hours ourses pro- ab 3, 2 3, 2 3 3 3 (130/140) ysics II &	Must i	be at least 40   a minor.) 
<ul> <li>COMPLETED – CHEMIS</li> <li>CHM 211 Chem I (Pre-reqs</li> <li>CHM 212 Chem II (Pre-req</li> <li>CHM 355 Organic I (Pre-re</li> <li>CHM 356 Organic II (Pre-re</li> <li>CHM 361 Organic Lab</li> <li>COMPLETED – PHYSICS</li> <li>PHY 201 &amp; 202, Gen Physi</li> <li>COMPLETED – MATHEM</li> </ul>	s: ACT gs: C or eqs: C c reqs: C G (Pre-r ccs I & 1	23 or i better better or bette or bett reqs. A Lab 3 S (Dep	higher <b>OR</b> ( in CHM 2) er in CHM 2 er in CHM CT MTH 27 1	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212) 355) 7 or higher, MTH 229, 132, <b>OR</b> 127/ PHY 203& 204 Gen Phy CT/SAT math scores)	y Hours ourses pro- ab 3, 2 3, 2 3 3 3 (130/140) ysics II &	<i>must</i> ovides   <i>AND</i> & Lab	be at least 40   a minor.) 
<ul> <li>COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re CHM 361 Organic Lab</li> <li>COMPLETED – PHYSICS PHY 201 &amp; 202, Gen Physi</li> <li>COMPLETED – MATHEM MTH 229 Calculus I *# OR TWO of the following:</li> </ul>	s: ACT gs: C or eqs: C c reqs: C G (Pre-r ccs I & 1	23 or i better or bette or bett reqs. A Lab 3 <b>S</b> (Dep 5	higher <b>OR</b> ( in CHM 2 er in CHM 2 er in CHM CT MTH 2 1 pends on AC	Total Biolog         Total Biolog         C average of the listed Chemistry col         CHM 111 with C or better) & 217, L         11) & 218, Lab         212)         355)         7 or higher, MTH 229, 132, OR 127/         PHY 203& 204 Gen Phy         CT/SAT math scores)         OR       MTH 132 Pre-Calculu	y Hours ourses pro- ab 3, 2 3, 2 3 3 3 (130/140) ysics II &	<i>must</i> ovides 2 2 3 4 <i>AND</i> 2 2 3 5	be at least 40   a minor.) 
<ul> <li>COMPLETED – CHEMIS CHM 211 Chem I (Pre-reqs CHM 212 Chem II (Pre-req CHM 355 Organic I (Pre-re CHM 356 Organic II (Pre-re CHM 361 Organic Lab</li> <li>COMPLETED – PHYSICS PHY 201 &amp; 202, Gen Physi</li> <li>COMPLETED – MATHEM MTH 229 Calculus I *#</li> </ul>	s: ACT is: C or eqs: C c eqs: C c 5 (Pre-r cs I & I MATIC	23 or i better better or bette or bett reqs. A Lab 3 S (Dep	higher <b>OR</b> ( in CHM 2 er in CHM 2 er in CHM CT MTH 2 1 pends on AC	Total Biolog C average of the listed Chemistry co CHM 111 with C or better) & 217, L 11) & 218, Lab 212) 355) 7 or higher, MTH 229, 132, <b>OR</b> 127/ PHY 203& 204 Gen Phy CT/SAT math scores)	y Hours ourses pro- ab 3, 2 3, 2 3 3 3 (130/140) ysics II &	<i>must</i> ovides   <i>AND</i> & Lab	be at least 40   a minor.) 

CATALOG: 2014 – 2015