



DIXIE STATE  
COLLEGE OF UTAH



## Requirements for Bachelor of Science

### In Mathematics

Effective July 1, 2011

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#### Student Progress Checklist

Student ID# \_\_\_\_\_

Requirements for General Education		
<input type="checkbox"/>	Complete the DSC requirements for General Education (or equivalent)	35-46
Core Discipline Requirements – complete the following:		
	Credits	Prerequisites and Notes
<input type="checkbox"/>	Math 1210/ Calculus I	5 Math 1050/1060 or 1065
<input type="checkbox"/>	Math 1220/ Calculus II	4 Math 1210
<input type="checkbox"/>	Math 2200/ Discrete Mathematics	3 Math 1210
<input type="checkbox"/>	Math 2210/ Multivariable Calculus	3 Math 1220
<input type="checkbox"/>	Math 2270/ Linear Algebra	3 Math 1210
<input type="checkbox"/>	Math 2280/ Ordinary Differential Equations	3 Math 1220
<input type="checkbox"/>	Math 3200/ Introduction to Analysis	3 Math 2210/2200
<input type="checkbox"/>	Math 3400/ Probability & Statistics	3 Math 1220
<input type="checkbox"/>	Math 3900/ Number Theory	3 Math 2200
<input type="checkbox"/>	Math 4000/ Foundations of Algebra	3 Math 2200
<input type="checkbox"/>	Math 4900/ Senior Capstone Seminar	3 Math Major AND Senior Standing
<b>TOTAL CORE DISCIPLINE CREDITS:</b>		<b>36</b> <b>(Must achieve a “C” or better in each course)</b>
Mathematics Required Elective Courses – complete 12 credits from the following:		
	Credits	Prerequisites and Notes
<input type="checkbox"/>	Math 3000/ History of Mathematics	3 Math 1220
<input type="checkbox"/>	Math 3100/ Euclidean & Non-Euclidean Geometry	3 Math 2200
<input type="checkbox"/>	Math 3210/ Introduction to Analysis II	3 Math 3200
<input type="checkbox"/>	Math 3500/ Numerical Analysis	3 Math 2270/2280
<input type="checkbox"/>	Math 4010/ Abstract Algebra	3 Math 4000
<input type="checkbox"/>	Math 4100/ Introduction to Topology	3 Math 2200/2210
<input type="checkbox"/>	Math 4200/ Complex Analysis	3 Math 3200
<b>TOTAL ELECTIVE CREDITS</b>		<b>12 of 21</b> <b>(Must achieve a “C” or better in each course)</b>
Other Required Courses – complete the following:		
	Credits	Prerequisites and Notes
<input type="checkbox"/>	PHYS 2210/ Physics for Scientists/ Engineers I	4 Math 1210
<input type="checkbox"/>	PHYS 2215/ Physics Lab I	1 w/PHYS 2210
<input type="checkbox"/>	PHYS 2220/ Physics for Scientists/Engineers II	4 PHYS 2210
<input type="checkbox"/>	PHYS 2225/ Physics Lab II	1 w/PHYS 2220
<input type="checkbox"/>	CS 1400/ Foundations of Programming	3
<b>TOTAL OTHER REQUIRED COURSE CREDITS:</b>		<b>13</b> <b>(Must achieve a “C” or better in each course)</b>

FOR ADVISING PURPOSES ONLY  
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Student ID# \_\_\_\_\_

<b>TOTAL ELECTIVE CREDITS:</b> (13 must be upper division)	<b>34</b>	
<b>TOTAL BACCALAUREATE CREDITS</b> (1000 and above):	<b>120</b>	
<input type="checkbox"/> Minimum cumulative GPA of <b>2.0</b> must be attained to be eligible to graduate		
<input type="checkbox"/> Complete at least 30 semester hours of upper division credit hours from DSC for institutional residency		
<input type="checkbox"/> Complete a total of 40 semester hours of upper division credit hours (3000 and above)		
<b>Total Credits Earned:</b>		
<b>Developmental OR Duplicate Credits (subtract from total credits earned):</b>		
<b>Credits Needed:</b>		

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