



# Liberal Arts and Sciences: Mathematics and Science - Mathematics

## Program Information

**Degree Type:** AS

**Program Code:** LAMS - MATH

**Degree Worksheet PDF:**  [2023\\_2024\\_lams-math.pdf \[1\]](#)

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LAMS - MATH

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Microcredential: <http://www.sunyacc.edu/academics/microcredentials> [3]

SUNY Adirondack offers a two-year Liberal Arts and Sciences Associate in Science (AS) degree in Mathematics and Science with a concentration in Mathematics. This concentration awards a two-year AS degree and sets a solid base for students to transfer to a four-year institution. The Math concentration prepares students for further education and eventual careers in several fields such as: actuarial science, operations research, biomathematics, cryptography, finance and secondary education.

*Recommended high school preparation: Biology, chemistry, physics and four years of math.*

Cr.	Course Title	Course Co
1-2	FRESHMAN EXPERIENCE	<a href="#">HRD100 H</a>
3	Introduction to College Writing	<a href="#">ENG101</a>
3	Writing II	<a href="#">ENG102, E</a> <a href="#">ENG108, E</a>
4	Calculus I	<a href="#">MAT131 (P</a>
3-4	SUNY Gen Ed Natural Sciences lab science	
4	Calculus II	<a href="#">MAT132 (P</a>
2	HEALTH AND WELLNESS	Any PED a  <a href="#">HED103, H</a>  <a href="#">PED106, P</a>



		(Note PED)
3	SUNY GEN ED World History and Global Awareness	
3	SUNY GEN ED US History and Civic Engagement	
3	SUNY GEN ED Social Sciences	
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice	
3	SUNY GEN ED The Arts, SUNY GEN ED World Languages or SUNY GEN ED Humanities	
7-8	Choose two from:  <a href="#">MAT220</a> <a href="#">MAT231</a> or <a href="#">MAT232</a> (Spring only -Prereq Required)	
13	Mathematics/Science Core (MSC) Choose 13 credits from:  <b>Biology:</b> <a href="#">BIO107</a> , <a href="#">BIO108</a> , <a href="#">BIO111</a> , <a href="#">BIO112</a> , <a href="#">BIO205</a> , <a href="#">BIO215</a> , <a href="#">BIO223</a>  <b>Chemistry:</b> <a href="#">CHM104A</a> , <a href="#">CHM104B</a> , <a href="#">CHM111</a> , <a href="#">CHM112</a> , <a href="#">CHM202</a> , <a href="#">CHM203</a> , <a href="#">CHM204</a>  <b>Computer Science:</b> <a href="#">CIS143</a> , <a href="#">CIS144</a> , <a href="#">CIS211</a>  <b>Earth Science:</b> <a href="#">AST113</a> , <a href="#">GEO101</a> , <a href="#">GEO114</a> , <a href="#">GEO202</a>  <b>Engineering:</b> <a href="#">EGR105</a> , <a href="#">EGR106</a> , <a href="#">EGR204</a> , <a href="#">EGR207</a> , <a href="#">EGR208</a> , <a href="#">EGR209</a> , <a href="#">EGR210</a>  <b>Mathematics:</b> <a href="#">MAT121</a> , <a href="#">MAT125</a> , <a href="#">MAT127</a> , <a href="#">MAT129</a> , <a href="#">MAT220</a> , <a href="#">MAT227</a> , <a href="#">MAT231</a> , <a href="#">MAT232</a> (Spring Only)  <b>Nutrition:</b> <a href="#">NTR111</a>  <b>Physics:</b> <a href="#">PHY111</a> , <a href="#">PHY112</a>  <b>Social Sciences:</b> <a href="#">ANT230</a>  (1 credit must be SUNY GEN ED Mathematics or SUNY GEN ED Natural Sciences coursework)	
6	<a href="#">Liberal Arts and Sciences</a> [4]	
3	Electives	
<b>64</b>	<b>Minimum credits required for graduation</b>	

Recommended First Year		
First Semester		
1-2	HRD100, HRD100A or HRD110	
3	ENG101	



4	MAT131
4	MSC elective (See Notes 1 and 2)
3	SUNY GEN ED US History and Civic Engagement
1	Health and Wellness
<b>Second Semester</b>	
3-4	SUNY GEN ED Natural Sciences lab science
3	ENG102 - ENG110
4	MAT132
3-4	MSC elective (See Note 1 and 2)
3	SUNY GEN ED Social Sciences
1	Health and Wellness
<b>Recommended Second Year</b>	
<b>Third Semester</b>	
3	SUNY GEN ED World History and Global Awareness
4	MAT231
3-4	MSC elective (See Note 1 and 2)
3	Liberal Arts and Sciences
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice
<b>Fourth Semester</b>	
3	SUNY GEN ED The Arts, SUNY GEN ED World Languages or SUNY GEN ED Humanities
3-4	MAT220 or MAT232
3-4	MSC elective (See Notes 1 and 2)
3	Liberal Arts and Sciences
3	Electives

**NOTES**



1. Mathematics/Science core (MSC) courses shall be selected from the program layout. 1 credit

must be SUNY GEN ED Mathematics (and Quantitative Reasoning) or SUNY GEN ED Natural

Sciences (and Scientific Reasoning) coursework.

2. Students should select Mathematics/Science core (MSC) courses and electives after

consultation with their advisor and the intended transfer institution.

3. Prior approved MSC courses can be used to meet degree requirements.

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[3] <http://www.sunyacc.edu/academics/microcredentials>

[4] <http://catalog.sunyacc.edu/academics/degreerequirements>