



Liberal Arts and Sciences: Mathematics and Science - Adolescence Education Mathematics

Program Information

Degree Type: AS

Program Code: LAMS - AEMA

Degree Worksheet PDF:  [2023_2024_lams-aema.pdf \[1\]](#)

">Download

LAMS - AEMA

 [2023_2024_lams-aema.pdf \[2\]](#)

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 an Adolescence Education Mathematics Concentration. This concentration provides a foundational education in mathematics and sets a solid base for students to transfer into a bachelor's degree program for certification in Adolescent Education Mathematics 7-12 and a career teaching mathematics at the secondary level. *Recommended high school preparation: Four years of high school math.*

Cr.	Course Title	Course Code
1-2	FRESHMAN EXPERIENCE	HRD100 H
3	Introduction to College Writing	ENG101
3	Writing II	ENG102, E ENG108, E
4	Calculus I	MAT131 (P
3-4	SUNY Gen Ed Natural Sciences (and Scientific Reasoning) lab science	
4	Calculus II	MAT132 (P
2	HEALTH AND WELLNESS	Any PED a HED103, H PED106, P



		(Note PED)
3	SUNY GEN ED World History and Global Awareness or SUNY GEN ED US History and Civic Engagement	
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice	
3	General Psychology	PSY101
6	SUNY GEN ED World Languages - in same language	
3	Adolescent Psychology	PSY206
3	Educational Foundations	EDU101
3	Linear Algebra	MAT220 (P
4	Calculus III	MAT231 (P
13	<p>Mathematics/Science Core (MSC) - Choose 13 credits from:</p> <p>Biology: BIO107, BIO108, BIO111, BIO112, BIO205, BIO212, BIO223</p> <p>Chemistry: CHM104A, CHM104B, CHM111, CHM112, CHM202, CHM203, CHM204</p> <p>Computer Science: CIS143, CIS144, CIS211</p> <p>Earth Science: AST113, GEO101, GEO114, GEO202</p> <p>Engineering: EGR105, EGR106, EGR204, EGR207, EGR208, EGR209, EGR210</p> <p>Mathematics: MAT121, MAT125, MAT127, MAT129, MAT227, MAT232</p> <p>Nutrition: NTR111</p> <p>Physics: PHY111, PHY112</p> <p>Social Sciences and Philosophy: ANT230, PHI203</p>	
3	Introduction to Information Technology and Applications or Office Productivity Software or Introduction to Programming	CIS111 , CIS112
64	Minimum credits required for graduation	

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 World History and Global Awareness or US History and Civic Engagement	
1	Health and Wellness	



Second Semester	
3-4	SUNY GEN ED Natural Sciences (and Scientific Reasoning) lab science
3	ENG102 - ENG110
4	MAT132
3-4	MSC electives (See Notes 1 and 2)
3	PSY 101
1	Health and Wellness
Recommended Second Year	
Third Semester	
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice
4	MAT231
3-4	MSC electives (See Notes 1 and 2)
3	SUNY Gen ED World Languages
3	EDU 101
Fourth Semester	
3	PSY 206
3	MAT220
3-4	MSC electives (See Notes 1 and 2)
3	SUNY GEN ED World Languages (Second in series)
3	CIS111, CIS125 or CIS143

NOTES

1. Mathematics/Science core (MSC) courses shall be selected from the program layout.
2. Students should select Mathematics/Science core (MSC) courses and electives after



- consultation with their advisor and the intended transfer institution.
3. Prior approval MSC courses can be used to meet degree requirements.

Source URL:

<https://catalog.sunyacc.edu/programs/liberal-arts-and-sciences-mathematics-and-science-adolescence-education-mathematics>

Links:

[1] <https://catalog.sunyacc.edu/><div class=

[2] https://catalog.sunyacc.edu/sites/catalog.sunyadk.com/files/degreeworksheets/2023/2023_2024_1ams-aema.pdf

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