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

Program Information

Degree Type: AS
Program Code: LAMS - AEMA
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LAMS - AEMA
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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 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 C
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	Mathematics/Science Core (MSC) - Choose 13 credits from: **Biology:** BIO107, BIO108, BIO111, BIO112, BIO205, BIO212, BIO223 **Chemistry:** CHM104A, CHM104B, CHM111, CHM112, CHM202, CHM203, CHM204 **Computer Science:** CIS143, CIS144, CIS211 **Earth Science:** AST113, GEO101, GEO114, GEO202 **Engineering:** EGR105, EGR106, EGR204, EGR207, EGR208, EGR209, EGR210 **Mathematics:** MAT121, MAT125, MAT127, MAT129, MAT227, MAT232 **Nutrition**: NTR111 **Physics:** PHY111, PHY112 **Social Sciences and Philosophy:** ANT230, PHI203	
3	Introduction to Information Technology and Applications or Office Productivity Software or Introduction to Programming	CIS111, CI
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.

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