

Pathway Mathematical Studies- Applied Curriculum

Lewis and Clark Community College Associate in Arts/Science Degree

Fall Year 1

LCCC Course		Hours
ENGL 131	First Year English	3
MATH 171 ¹	Analytical Geometry & Calculus	5
IAI Humn ²	IAI Humanities	3
SPCH 131	Public Speaking	3
IAI SOC BEH	IAI Social Behavioral Science	3
Total		17

Spring Year 1

LCCC Course		Hours
ENGL 132	First Year English II	3
MATH 172 ¹	Analytical Geometry & Calculus II	5
IAI SOC BEH	IAI Social Behavioral Science	3
PHYS 141 ¹	General Physics I	5
Total		16

Fall Year 2

LCCC Course		Hours
MATH 271 ¹	Analytical Geometry & Calculus III	4
IAI SOC BEH	IAI Social Behavioral Science	3
IAI FA ²	IAI Fine Arts	3
PHYS 142 ¹	General Physics	5
Total		15

Spring Year 2

LCCC Course		Hours
MATH 272 ¹	Differential Equations	3
IAI HUM/FA	IAI Humanities/ Fine Arts	3
IAI LS	IAI Life Science	3
IAI HUM/FA	IAI Humanities/ Fine Arts	3
PS/LS ¹	Additional Life/Physical Science	3
Total		15

Associate in Art/Science Degree Total **63**

¹All Math/Science courses require a grade of "C" or better.

²Students will need to complete one Human Relations course for the Associate Degree. Please see Partnership advisor.

³Students can replace electives with additional course in HUM/FA and one additional course in Social Science to complete either the AA or AS degree.

Southern Illinois University Edwardsville Bachelor of Science Degree

Fall Year 3

SIUE Course		Hours
MATH 223	Logic and Mathematical Reasoning	4
ELEC	Elective	3
MATH 321	Linear Algebra I	3
STAT 380	Statistics for Applications	3
CS 140	Introduction to Computing I	3
Total		16

Spring Year 3

SIUE Course		Hours
MATH 350	Introduction to Analysis	4
MATH 464	Partial Differential Equations	3
MATH/STAT/OR Math/Stats./Or. Elective		3
ELEC	Elective	3
CS 150	Introduction to Computing II	3
Total		16

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
MATH/STAT/OR Math/Stats./Or. Elective		3
MATH 462	Applied Numerical Analysis	3
ELEC	Electives	4
CS 240	Introduction to Computing III	3
MATH 165	Intro.to Program. and Problem Solving	3
Total		18

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
MATH/STAT/OR Math/Stats./Or. Elective		3
IS XXX	Interdisciplinary Course	3
MATH/STAT/OR Math/Stats./Or. Elective		3
ELEC	Electives	5
Total		16

Bachelor of Science Degree Total **129**

Students must complete 50% or more of SIUE degree requirements at SIUE. (120 +hours required for graduation).