Pathway Mathematical Studies- Pure Math

Lewis and Clark Community College	Southern Illinois University Edwardsville
Associate in Arts/Science Degree	Bachelor of Science Degree

Fall Year 1

LCCC Course		Hours
ENGL 131	First Year English	3
MATH 171[1]	Analytical Geometry & Calculus	5
IAI HUMN	IAI Humanities	3
SPCH 131	Public Speaking	3
Total		**14**

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	IAI Fine Arts	3
PS/LS[1]	Additional Life/Physical Science	3
Total		**13**

Spring Year 2

LCCC Course		Hours
MATH 272[1]	Differential Equations	3
IAI HUMN/ FA	IAI Humanities/Fine Art	3
BIOL 130	Fundamentals of Biological Science	4
IAI SOC BEH	IAI Social Behavioral Science	3
ELEC	Electives	4
Total		**17**
Associate in Art/Science Degree Total		***60***

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

Students will need to complete one Human Relations course
For the Associate Degree. Please see Partnership advisor.
Students can take an additional LS/PS course to meet the AS, or
an additional SS course for the AA.

Fall Year 3

SIUE Course		Hours
MATH 223	Logic and Mathematical Reasoning	4
MATH 321	Linear Algebra I	3
MATH 320	Intro to Algebraic Structures	3
ELEC	Math/Stats./Or.or Science or Eng.Elec.	3
ELEC	Math/Stats./Or.or Science or Eng.Elec.	3
Total		**16**

Spring Year 3

SIUE Course		Hours
ELEC	Electives	3
MATH 350	Introduction to Analysis	3
MATH 420/451	Abst.Algebra/In. to Comp. Ana.	3
ELEC	Math/Stats./Or.or Science or Eng.Elec.	3
MATH 421	Linear Algebra ll	3
Total		**15**

Fall Year 4

SIUE Course		Hours
MATH 498	Senior Seminar	2
STAT 380	Statistics for Applications	3
MATH 450	Real Analysis I	3
ELEC	Math/Stats./Or.or Science or Eng.Elec.	3
IS XXX	Interdisciplinary Course	3
MATH 4XX	Mathematics Elective 400 level	3
Total		**17**

Spring Year 4

SIUE Course		Hours
MATH 499	Senior Project	2
ELEC	Math/Stats./Or.or Science or Eng.Elec.	3
MATH 4XX	Mathematics Elective 400 level	3
MATH 435	Foundations of Geometry	3
ELEC	Electives	4
Total		**15**
Bachelor of Science Degree Total		***123***

 *A course that satisfies both the ERGU and EREG requirement
will only be counted as one and not both.

*Students must complete 50% or more of the degree
requirements at SIUE.