

**Lewis and Clark Community College**  
**Associate of Science**  
**Physics**

Completion of an Associate in Arts or Science degree at Lewis and Clark Community College fulfills SIUE's general education requirements with the exception of an Interdisciplinary Studies course that all students must take during their junior or senior year at SIUE.

This "Transfer Program Guide" is an *example* of proposed curriculum for students to use while completing their associate's degree. Reading, writing, and math placement could alter the course sequencing and transfer date. Therefore, students should begin sequencing their reading/writing (if applicable) and math & science courses during the first semester, paying particular attention to prerequisites. Students have the option of taking summer classes to lessen fall and spring course loads.

It is highly recommended that students meet with a Lewis and Clark advisor; for additional information please contact the SIUE coordinator for advising and partnership programs in Haskell Hall Rm. B07. Please see "Important Student Notes" located on page two of this transfer guide.

**Fall Year 1**

LCCC Course		Hours
ENGL 131	First Year English I	3
SPCH 131	Public Speaking	3
MATH 171	Calculus And Analytic Geometry I	5
CHEM 141	General Chemistry I	5
CHEM 121	General Chemistry I Recitation	1
<b>Total</b>		<b>17</b>

**Spring Year 1**

LCCC Course		Hours
ENGL 132	First Year English II	3
MATH 172	Calculus And Analytic Geometry II	5
PHYS 141	General Physics I	5
IAI HUMN	IAI Humanities	3
<b>Total</b>		<b>16</b>

**Fall Year 2**

LCCC Course		Hours
MATH 271	Calculus And Analytic Geometry III	4
PHYS 142	General Physics II	4
IAI FA	IAI Fine Arts	3
IAI SOC BEH	IAI Social Behavioral Science	3
<b>Total</b>		<b>14</b>

**Spring Year 2**

LCCC Course		Hours
CIS 235	C++ Programming Language	3
MATH 272	Differential Equations	3
IAI LS	Biology W/WO Lab	3
ELEC/PHYS 244	Elective/ Into. To Modern Physics	4
<b>Total</b>		<b>13</b>
<b>Associate Total</b>		<b>60</b>

BIOL 150 (SIUE) is required for Physics-Specialization in Biomedical Physics.

**Students choose from among the following Physics options: Standard, Specialization in Astronomy, Specialization in Biomedical Physics, Specialization in Photonics and Laser Physics**

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

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**IMPORTANT STUDENT NOTES:**

The preceding information is provided to assist students in the transfer process. In no way does this document substitute for meeting with an academic advisor. Students are advised to meet on a regular basis with advisors at Lewis and Clark and SIUE. Courses taken through dual credit can be applied to required SIUE coursework, please contact Lewis and Clark advisor for more information. Please consult Lewis and Clark College catalog for additional graduation requirements.

**Degrees Available at SIUE**

Bachelor of Science, Physics (specializations available in the following)  
Astronomy  
Biomedical Physics  
Photonics and Lasers

**DECLARATION REQUIREMENTS FOR A BACHELOR OF SCIENCE**

A minimum GPA of 2.0 (on a 4.0 scale) in science and math transferable courses completed at all transfer institutions. An overall GPA of 2.0 in other transferable work