

## Pathway - Industrial Engineering

### Lincoln Land Community College Associate in Engineering Science Degree Fall Year 1

LLCC Course		Hours
EGL 101	Composition I	3
CHE 101	General Chemistry I	4
ECO 132	Principles of Economics II (Macro)	3
MAT 131	Calculus & Analytic Geometry I	5
<b>Total</b>		<b>15</b>

### Spring Year 1

LLCC Course		Hours
EGL 102	Composition II	3
CMN 104	Interpersonal Communication	3
MAT 132	Calculus & Analytic Geometry II	5
PHY 201	Physics I	4
<b>Total</b>		<b>15</b>

### Fall Year 2

LLCC Course		Hours
PHY 202	Physics II	4
MAT 233	Calculus & Analytic Geometry III	4
ENG 220	Statics	3
MAT 161	Computer Programming	4
ENG 101	Engineering Graphics	3
<b>Total</b>		<b>18</b>

### Spring Year 2

LLCC Course		Hours
ENG Elective	Program/Support Course Selection	3
ENG 240 <sup>1</sup>	Mechanics of Materials	4
MAT 235	Differential Equations	4
ENG 270	Circuit Analysis	3
BIO 101/111	Gen. Biology/Prin. of Biology	4
<b>Total</b>		<b>18</b>

**Associate in Engineering Science Total**      **66**  
**Accepted Hours for Bachelor degree**      **60**

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

<sup>1</sup>ENG 240 may be offered in the summer semester.

### Southern Illinois University Edwardsville Bachelor of Science Degree Fall Year 3

SIUE Course		Hours
IE 335	Intro to information Processing Sys.	3
IE 345	Engineering Economics Analysis	3
STAT 380	Statistics for Applications	3
IE 370	Manufacturing Processes	3
IE 375	Three Dim. Mod in Product Design	3
<b>Total</b>		<b>15</b>

### Spring Year 3

SIUE Course		Hours
IE 415	Operations Res- Deterministic Mod.	3
IE 451	Methods Design & Work Meas.	3
IE 465	Design & Control of Quality Systems	3
IE 470	Manufacturing Systems	3
BFPA	Breadth Fine & Performing Arts	3
EH	Health Experience	1
<b>Total</b>		<b>16</b>

### Fall Year 4

SIUE Course		Hours
IE 468	Operations Research - Simulation	3
IE 476	Plantwide Process Control	3
IE 483	Production Planning & Control	3
IE 484	Facilities Planning	3
IE XXX	Elective I	3
IE 106	Engineering Problem Solving	3
<b>Total</b>		<b>18</b>

### Spring Year 4

SIUE Course		Hours
IE 490	Integrated Engineering Design	3
IE XXX	IE Elective II	3
IE XXX	IE Elective III	3
PHIL 323	Engineering Ethics	3
IS/EGC	Interdisciplinary Studies	3
<b>Total</b>		<b>15</b>

**Bachelor of Science Degree Total**      **130**

## Pathway - Industrial Engineering

NOTE: Students must apply for admission to upper-division classes before starting the junior year at SIUE. The form for 'APPLICATION FOR ADMISSION TO UPPER-DIVISION' must be submitted by the deadline to the academic advisor in the School of Engineering at SIUE.

Students must earn 60 hours from a senior institution for graduation requirements. If students take all SIUE junior and senior level courses, stated above, at SIUE, they will meet this requirement. Please note: deviating from the planned schedule above may jeopardize this requirement.

**School of Engineering Transfer Credit Advisory Note:** *The University may accept transfer "D" grades; however, in the School of Engineering, a grade of C or better is required in all chemistry, computer science, mathematics, physics, and engineering courses applied to major or minor requirements. A course that transfers in as 1xx, 2xx, 3xx or TRF 1xx; TRF 2xx; TRF 3xx may require a course description and/or syllabus for further evaluation.*