

## Pathway - Electrical Engineering

### Lincoln Land Community College Associate in 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
IAI Fine Arts	IAI Fine Arts	3
<b>Total</b>		<b>18</b>

### Spring Year 1

LLCC Course		Hours
EGL 102	Composition II	3
CMN 101	Public Speaking Fundamentals	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
IAI HUMN	IAI Humanities	3
MAT 161	Computer Programming	4
<b>Total</b>		<b>15</b>

### Spring Year 2

LLCC Course		Hours
ENG 221	Dynamics	3
ENG 270	Circuit Analysis	3
MAT 235	Differential Equations	4
BIO 101/111	Gen. Biology/Prin. of Biology	4
IAI S/B Science	IAI Social Behavioral Science	3
<b>Total</b>		<b>17</b>

**Associate in Science Total** **65**

**Accepted Hours for Bachelor degree** **60**

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

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

SIUE Course		Hours
ECE 211	Circuit Analysis II	3
<b>Total</b>		<b>3</b>

### Fall Year 3

SIUE Course		Hours
ECE 282	Digital Systems Design	4
ECE 326	Electronic Circuits I	3
ECE 351	Signals and Systems	3
ECE 352	Engineering Probability & Statistics	3
MATH 355	Engineering Mathematics	5
<b>Total</b>		<b>18</b>

### Spring Year 3

SIUE Course		Hours
ECE 340	Engineering Electromagnetics	3
ECE 365	Control Systems	3
ECE 375	Introduction to Communications	3
Non ECE ELEC	Tech Elective	3
IE 106	Engineering Problem Solving	3
<b>Total</b>		<b>15</b>

### Fall Year 4

SIUE Course		Hours
ECE 404	ECE Design	3
ECE 341	Electromechanical Energy Conv.	4
ECE XXX	ECE Elective I	3
ECE XXX	ECE Elective II	3
PHIL 323	Engineering Ethics	3
<b>Total</b>		<b>16</b>

### Spring Year 4

SIUE Course		Hours
ECE 405	ECE Design Laboratory	3
ECE XXX	ECE Elective III	3
ECE XXX	Elective IV	3
IE 345	Engineering Economics Analysis	3
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>15</b>

**Bachelor of Science Degree Total** **132**

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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.*