

## Pathway Industrial Engineering

### Kaskaskia College Associate in Engineering Degree

#### Fall Year 1

KC Course		Hours
ENG 101	Rhetoric and Composition I	3
CHEM 111	Chemistry I	5
ENGR 103	Engineering Graphics & CAD	3
PHLE 110	Logic	3
MATH 166	Analytical Geometry & Calculus I	5
<b>Total</b>		<b>19</b>

#### Spring Year 1

KC Course		Hours
SPCH 204	Interpersonal Communication	3
MATH 267	Analytical Geometry & Calculus II	4
PHYS 201	University Physics I	5
ENG 102	Rhetoric and Composition II	3
ENGR 203	Statics	3
<b>Total</b>		<b>18</b>

#### Fall Year 2

KC Course		Hours
PHYS 202	University Physics II	5
MATH 268	Analytical Geometry & Calculus III	3
ECON 205	Principles of Economics	3
ENGR 201	Programming for Engineers	3
ENGR 204	Dynamics	3
<b>Total</b>		<b>17</b>

#### Spring Year 2

KC Course		Hours
MATH 269	Differential Equations	3
ENGR 210	Electrical Circuits	3
ANTH 101	Cultural Anthropology	3
ENGR 205	Mechanics of Materials	3
PHLE 201	Professional Ethics for Engineers	3
<b>Total</b>		<b>15</b>

**Associate in Engineering Degree Total <sup>1</sup>** **69**  
**Accepted Hours for Bachelor degree** **60**

### Southern Illinois University Edwardsville Bachelor of Science Degree

#### Fall Year 3

SIUE Course		Hours
IE 335	Intro to Infor. Proc. Systems	3
IE 345	Engineering Economic Ana.	3
IE 370	Manufacturing	3
STAT 380	Stats for Application	3
IE 375	3-D Modeling Product Design	3
BFPA	Fine Arts Breadth	3
<b>Total</b>		<b>18</b>

#### Spring Year 3

SIUE Course		Hours
IE 415	Oper. Research-Det. Models	3
IE 451	Methods Design & Work Areas	3
IE 465	Design & Control of Quality Sys	3
IE 470	Manufacturing Systems	3
BLS	Breadth Life Science	3
<b>Total</b>		<b>15</b>

#### Fall Year 4

SIUE Course		Hours
IE 468	Oper. Research-Simulation	3
IE 476	Plant Wide Process Control	3
IE 483	Production Plan & Control	3
IE 484	Facilities Planning	3
IE XXX	Elective I	3
<b>Total</b>		<b>15</b>

#### Spring Year 4

SIUE Course		Hours
IE 490	Integrated Engineering Des	3
IE XXX	Elective II	3
IE XXX	Elective III	3
EH	Health Experience	3
IS	Interdisciplinary Studies	3
<b>Total</b>		<b>15</b>

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

<sup>1</sup>Additional hours required for AES degree. Students must complete 50% or more of SIUE degree requirements at SIUE.

## 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.

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

**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.*