

| PROGRAM ARTICULATION DEGREE PLAN | | | |
|--|---|---|------------|
| City Colleges of Chicago 2018-2019 | | Southern Illinois University Carbondale | |
| Associate in Engineering Science (AES) - 67 hrs | | BS Electrical Engineering (EE) - 126 hrs | |
| | | University Core Curriculum (UCC) - 39 hrs | |
| | | Hrs | Hrs |
| | | | NA |
| ENGLISH 101 | English I | 3 | T |
| ENGLISH 102 | English II | 3 | T |
| | | | 3 |
| MATH 207 | Calculus & Analytical Geometry I | 5 | T |
| ECON 201 -or- ECON 202 | Principles of Economics I -or- Principles of Economics II | 3 | T |
| | | | 3 |
| | | | 3 |
| | | | 3 |
| CHEM 201 | General Chemistry I | 5 | T |
| PHYSICS 235 | Engineering Physics I: Mechanics & Wave Motion | 5 | T |
| HUMANITIES/FINE ARTS* | (See SIUC Equivalency Guide) | 3 | T |
| | | | 2 |
| | | | 3 |
| *Course must fulfill State of Illinois Human Diversity requirement | | 27 | 17 |
| Program Requirements | | Program Requirements | |
| ENGR 190 | Computer Applications in Engineering | 3 | T |
| ENGR 215 | Electrical Circuit Analysis | 5 | T |
| MATH 208 | Calculus & Analytical Geometry II | 5 | T |
| MATH 209 | Calculus & Analytical Geometry III | 5 | T |
| MATH 210 | Differential Equations | 3 | T |
| PHYSICS 215 | Statics | 3 | T |
| PHYSICS 216 | Dynamics | 3 | T |
| PHYSICS 217 | Mechanics of Materials | 3 | T |
| PHYSICS 236 | Engineering Physics II: Electricity & Magnetism | 5 | T |
| PHYSICS 237 | Engineering Physics III: Heat, Light and Modern Physics | 5 | |
| | | 40 | |
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| | | | 4 |
| | | | 4 |
| | | | 3 |
| | | | 3 |
| | | | 22 |
| | | | NA |
| | | | 63 |
| Total semester hrs completed with AES degree: | | 67 | 80 |
| | | Total semester hrs completed with BS degree: | |
| | | Total hrs to BS degree: | 147 |

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