

Master Academic Plan—AES

Your blueprint to completing your degree or certificate. Students should discuss with their counselor of record to remain on track to completion!

Associate in Engineering Science Degree

Name: _____ Student ID No.: _____

Baccalaureate engineering programs are highly structured in order to meet standards established by the Accreditation Board for Engineering and Technology (ABET) which are required for candidates seeking State of Illinois registration as a professional engineer. To transfer as a junior into a baccalaureate engineering program, students must complete a minimum of 62 semester hours to a maximum of 68 semester hours from the following list, including all of the essential prerequisite courses. Students with fewer than 68 semester hours at transfer are unlikely to complete the baccalaureate degree within two years after transfer. Since admission is highly competitive, completion of the courses listed does not guarantee admission. Students should select courses in consultation with the College & Career Success Center to be certain they meet the requirements of the institution to which they plan to transfer.

General Education Core Courses¹:

12–18 Semester Hours

ENG 101 Composition & Rhetoric	3	SH
ENG 102 Composition & Research	3	SH
Group III Social & Behavioral Science* [‡]	3–9	SH
Group II Humanities/Fine Arts* [‡]	3–9	SH

Required Prerequisite Courses:

34–38 Semester Hours

CHM 113 General Chemistry I	5	SH
C–S 121 Computer Science I	4*	SH
MTH 190 Calculus & Analytic Geometry I	5	SH
MTH 203 Calculus & Analytic Geometry II	5	SH
MTH 204 Calculus & Analytic Geometry III	4	SH
MTH 205 Differential Equations	3	SH
PHY 210 University Physics I	4	SH
PHY 211 University Physics II	4	SH
PHY 212 University Physics III (Optional) ²	4	SH

Engineering Specialty Courses:

4–15 Semester Hours

Total for AES 62* SH

*EGR 203 and 204 may be required. Check the transfer institution to which you plan to transfer.

¹Since completion of this engineering curriculum does not fulfill the requirements of the Illinois General Education Core Curriculum, students will need to complete the general education requirements of the institution to which they transfer.

²Most baccalaureate programs require the three semester sequence of calculus–based physics courses for engineering programs. Students are advised to complete the entire sequence at SSC if they plan to transfer to such a program.

*Dependent upon transfer institution.

[†]Note: All full-time transfer students are required to take OCS 121.

Developmental courses do not count towards degree.

[‡]Students earning an Associate degree must meet the requirement for coursework on improving human relations as defined in Public Act 87-581.

Less than 40% of total degree credit hours may be taken in an online format when online courses are available.