MBET

Program Map

Engineering

Degree: Associate of Science in Engineering (AS)

BLINN COLLEGE

Mathematics, Business, Engineering & Technology

Program Description: The Associate of Science degree in Engineering provides students with the general education, mathematics, and science courses normally taken in the first two years of an engineering program at a four-year college or university while providing the flexibility for individual interests. The Engineering degree is based on the 42-hour Core Curriculum, and represents the first two years of a four-year degree which vary from university to university. Students transferring should always consult with an advisor or articulation officer from their receiving institution.

*Use this **Program MAP** as an advising guide to choose courses with your advisor and track progress toward milestones and completion of degree.*

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

Plans can be modified to fit the needs of part-time students by adding more semesters

Semester 1	CR	Advising Notes
ENGR 1201 – Introduction to Engineering	2	*Required Elective*
MATH 2413 – Calculus I	4	*MATH 2413 is required. If not calculus ready a student may be required to take MATH 2412-Precalculus or the combination of both MATH 1414 + MATH 1316 before taking Calculus I.*
CHEM 1411 – General Chemistry	4	*CHEM 1411 is recommended*. Alternate choice: CHEM 1409 – General Chemistry for Engineers. .
ENGL 1301 – English Composition I	3	May select a different course from the Communications section of the Core Curriculum Course List
SPCH 1315 – Public Speaking	3	May select a different course from the Component Area Option section of the Core Curriculum Course List
	16	Program Semester Hours / Meet with your advisor
Semester 2		
MATH 2414 – Calculus II	4	*Required elective*
PHYS 2425 – University Physics I	4	*Required.*
ENGL 1302 – English Composition II	3	Alternate choice: ENGL 2311
Restricted Elective	1-4	Select a course that best matches the degree requirements at the four-year engineering school of your choice from the following rubrics: CHEM, COSC, ENGR, PHED
	12-15	Program Semester Hours / Meet with your advisor

Semester 3		
ENGR 2301 – Engineering Mechanics-Statics	3	As an alternative select a course that best matches the degree requirements at the four-year engineering school of your choice from the following choices: ENGR 1304, ENGR 2302, ENGR 2304, or MATH 2320
MATH 2415 – Calculus III	4	MATH 2320 – Differential Equations is not required for the degree; however, it is strongly recommended.
PHYS 2426 – University Physics II	4	Credit for PHYS 2425 and credit for MATH 2414 are strictly required prerequisites for PHYS 2426.
HIST 1301 – United States History I	3	May select a different course from the American History section of the Core Curriculum Course List.
GOVT 2305 – Federal Government	3	Government Core Curriculum
	17	Program Semester Hours / Meet with your advisor
Semester 4		
HIST 1302 – United States History II	3	May select a different course from the American History section of the Core Curriculum Course List.
GOVT 2306 – Texas Government	3	Government Core Curriculum
Creative Arts Core	3	Select a course from the Creative Arts section of the Core Curriculum Course List.
PHIL 2306 – Introduction to Ethics	3	May select a different course from the Language, Philosophy and Culture section of the Core Curriculum Course List.
Social and Behavioral Sciences Core	3	Select a course from the Social and Behavioral Sciences section of the Core Curriculum Course List.
	15	Program Semester Hours
		ACHIEVEMENT: Completion of Associate of Science degree
Total Program Hours	**60-63**	

Transfer Information

This Engineering degree provides a pathway to transfer to a four-year college or university where students can earn a baccalaureate degree. Students are strongly encouraged to select a transfer destination by the time they have completed 30 semester credit hours. Students should consult with their chosen transfer institution regarding recommended courses that will transfer and be applied to their baccalaureate degree program.

For more information on program transfer information to four-year institutions visit Blinn's transfer information site: http://www.blinn.edu/degrees-and-certificates/earn-a-degree-and-transfer/prepare-for-transfer/information-sheets