

(For students admitted in 2012-13 under the 3-year degree)

School Based Admission (SBA) Scheme in School of Engineering

The SBA Scheme aims to provide students with more flexibility in making their choice of Bachelor of Engineering (BEng) programs. Students are first admitted to the School and choose their major after the first regular term.

The SBA Scheme comprises two streams - Engineering A and Engineering B. Students of Engineering A may choose their major from programs offered by the Departments of Chemical and Biomolecular Engineering (CBME), Civil and Environmental Engineering (CIVL), and Mechanical and Aerospace Engineering (MAE). Engineering B students may choose it from programs offered by the Departments of Computer Science and Engineering (CSE), Electronic and Computer Engineering (ECE), and Industrial Engineering and Logistics Management (IELM).

Students admitted through the SBA Scheme will take courses in the suggested list as presented below which consists of some common foundation courses required by the engineering programs across the same stream. After the major selection, students should follow the program specific requirements which are published separately under respective program sections and also the general requirements under the "General Requirements" section on this website.

Suggested courses to take for the First Regular Term of the SBA Streams

Engineering A

For students admitted through the SBA Scheme - Engineering A, they are required to take two out of the three one-credit introductory courses offered by CBME, CIVL or MECH.

			<u>Credit(s)</u>
(1)	CENG 2000	Introduction to Chemical and Biomolecular Engineering	1
(1)	CIVL 1110	History and Practice of Civil Engineering	1
(1)	MECH 1070	Introduction to Mechanical Engineering	1
	COMP 1022Q	Introduction to Computing with Excel VBA	3
	LANG 1001	English Language II	3
	MATH 2011	Introduction to Multivariable Calculus	3
	MATH 2111	Matrix Algebra and Applications	3
	MATH 2351	Introduction to Differential Equations	3
	HLTH 1010	Healthy Lifestyle	0
		One Common Core course	-

Engineering B

For students admitted through the SBA Scheme - Engineering B, they are required to take all three introductory courses offered by ECE, CSE and IELM.

			<u>Credit(s)</u>
	COMP 1004**	Programming Fundamentals and Methodology	4
	ELEC 1100	Introduction to Electro-Robot Design	4
	IELM 2200	Engineering Management	3
(2)	MATH 2011	Introduction to Multivariable Calculus	3
(2)	MATH 2111	Matrix Algebra and Applications	3
	HLTH 1010	Healthy Lifestyle	0

****Remarks on course(s):**

- COMP 1004: The course was last offered in 2012-13 and was deleted subsequently.

Notes:

- (1) Any two from CENG 2000/CIVL 1110/MECH 1070.
- (2) ENGG-B students who do not have grade E or above in AL Pure Mathematics or in AL Applied Mathematics are required to take MATH 1018 instead of MATH 2011 and MATH 2111 in first year Fall.