

## Example BSCS Semester Outline - 2024-2025 Academic Year

First Semester		Cr.
APMA 1110	Single Var. Calculus II	4
CHEM 1410	Intro. College Chemistry I	3
CHEM 1411	Intro. Chemistry I Lab	1
ENGR 1010	Engr. Foundations 1	4
HSS/UE		3
Total Credits		<b>15</b>

Second Semester		Cr.
CS 111X	Intro. to Programming	3
APMA 2120	Multivariable Calculus	4
ENGR 1020	Engr. Foundations 2	3
PHYS 1425 & 1429	Intro. Physics I & Lab	4
Math/Sci Elective		3
Total Credits		<b>17</b>

Third Semester		Cr.
CS 2100	Data Structures & Alg. 1	4
CS 2120	Discr. Math & Theory 1	3
ECE 2200	Applied Physics (PHYS 2)	4
STS 2600	Engineering Ethics	3
HSS/UE		3
Total Credits		<b>17</b>

Fourth Semester		Cr.
CS 2130	Comp. Sys. & Org. 1	4
CS 3140	SW Dev. Essentials	3
APMA 3100	Probability	3
HSS/UE		3
HSS/UE		3
Total Credits		<b>16</b>

Fifth Semester		Cr.
CS 3100	Data Structures & Alg. 2	3
CS 3240	Software Engineering	3
APMA Elective		3
HSS/UE		3
HSS/UE		3
Total Credits		<b>15</b>

Sixth Semester		Cr.
CS 3120	Discr. Math & Theory 2	3
CS 3130	Comp. Sys. & Org. 2	4
CS Elective		3
APMA Elective		3
HSS/UE		3
Total Credits		<b>16</b>

Seventh Semester		Cr.
STS 4500	STS and Engineering	3
CS Elective		3
CS Elective		3
HSS/UE		3
HSS/UE		3
Total Credits		<b>15</b>

Eighth Semester		Cr.
STS 4600	Engr. Responsibility	3
CS Capstone		3
CS Elective		3
CS Elective		3
HSS/UE		3
Total Credits		<b>15</b>