

Systems Biology - SYSB (B.S.)

This is a recommended program of study for students planning to transfer to the College of Science to earn a Bachelor of Science degree as a Systems Biology (SYSB) major.

Recommended VCCS Courses	VT Credits 1st. Sem	VT Credits 2nd. Sem	Virginia Tech Course Application
First Year			
ENG 111, 112	3	3	ENGL 1105, 1106
MTH 263	4		MATH 1225
MTH 264		4	MATH 1226
BIO 101, 102	4		BIOL 1105+1115
BIO 102		4	BIOL 1106+1116
CHM 111 or 126	4		CHEM 1035+1045
CHM 112		4	CHEM 1036+1046
TOTAL	15	15	
Second Year			
PHY 121 or 201	4		PHYS 2205+2215
PHY 122 or 202		4	PHYS 2206+2216
ITP 150 ² or CSC 201	3		CS 1064 CS 1114
MTH 245		3	STAT 3005
CHM 241	3		CHEM 2535
CHM 243 or 245	1		CHEM 2545
BIO 256		4	BIOL 2004 + BIOL 2XXX
Critical Thinking in the Humanities ¹	3	3	See Pathways List
Reasoning in Social Sciences ¹		3	See Pathways List
TOTAL	16	17	

Footnotes

¹ See VCCS Pathways to General Education Requirements.

²ITP 150 is preferred.

See Foreign Language Requirement