

	Agricultural Engineering (UIUC)	Bioengineering (UIUC)	Civil Engineering	Chemical Engineering (IIT/UIUC/UIUC)	Computer Engineering	Electrical Engineering	General Mechanical Engineering (Aeronautical, Manufacturing, Engineering Mechanics)	Industrial Engineering	Materials Science/ Engineering (IIT/UIUC)	Nuclear Engineering (UIUC)
<b>#GENERAL EDUCATION</b>										
ENG 101	3	3	3	3	3	3	3	3	3	3
ENG 103	3	3	3	3	3	3	3	3	3	3
*Humanities/Fine Arts	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6
*Social/Behavioral Sciences	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6	* 3 or 6
CHE 105	5	5	5	5	5	5	5	5	5	5
MAT 203	4	4	4	4	4	4	4	4	4	4
MAT 204	4	4	4	4	4	4	4	4	4	4
MAT 205	4	4	4	4	4	4	4	4	4	4
<b>SVCC DEGREE REQUIREMENT</b>										
FYE 101 or PSY 100	1	1	1	1	1	1	1	1	1	1
<b>REQUIRED PREREQUISITE COURSES</b>										
MAT 211	3	3	3	3	3	3	3	3	3	3
PHY 211	5	5	5	5	5	5	5	5	5	5
PHY 212	5	5	5	5	5	5	5	5	5	5
PHY 213	5	5	5	5	5	5	5	5	5	5
Computer Science I	3	3	3	3	3	3	3	3	3	3
<b>ENGINEERING SPECIALITY COURSES</b>										
BIO 105 and BIO 131		5 5								
CIS 208					3	3				
CHE 106	5	5	**5	5	**5	**5	**5	**5	5	5
CHE 201				5						
CHE 202				5						
EGR 103	3		3		**3		3	3	3	3
PHY 221	3		3				3	3	3	3
PHY 222	3		3				3	3	3	3
PHY 246		3			4	4	**4			
PHY 247		1			{1}	{1}	{1}			
<b>TOTAL</b>	68	70	68	69	67+	67	68-69	68	68	68

# The AES does not include the entire general education core curriculum. Students who earn an AES degree will complete additional general education courses after transfer and must complete the general education requirements of their selected transfer university.

\* A total of 6-9 hours of approved courses is required in the Humanities/Fine Arts and Social/Behavioral Sciences general education categories. Six hours requires a substitution form. See an SVCC academic advisor.

\*\* Suggested Engineering Speciality courses; students may select other approved courses in this area.

{ } Lab optional but highly recommended.

Important Note for UIUC transfer students: Completion of foreign language either in college and/or high school is required for UIUC graduation -- see an SVCC academic advisor for specific requirements.