

## LFCC ADVISING WORKSHEET

Program: AS Science: Engineering Specialization

Catalog Year: 2016-2017

Advisor:

**Engineering Science and Mechanics @ VT**

Program purpose: With the tremendous emphasis on technological developments in today's society, great demand exists for engineers to work with developing technologies both at the development state and the application stage. The associate of science degree program with a specialization in engineering is designed for persons who plan to transfer to a four-year college or university to complete a baccalaureate or higher degree program in an engineering discipline such as mechanical, civil, construction, ocean and mining and materials engineering.

Check	Course	Title	Credits	Grade	Notes
<b>First Semester</b>					
	ENG 111	College Composition I	3		
	EGR 126	Computer Elective <sup>1</sup>	3		
	MTH 173	Calculus with Analytical Geometry I	5		
	SDV 100/101	College Success Skills	1		
	CHM 111	College Chemistry I	4		
	EGR 120	Intro to Engineering	2		
<b>Second Semester</b>					
	ENG 112	College Composition II	3		
	CST	Communication Elective <sup>1</sup>	3		
	MTH 174	Calculus with Analytical Geometry II	5		
	MTH 285	Linear Algebra	3		
		Humanities/Fine Arts Elective <sup>1</sup>	3		
	EGR 123	Intro to Engineering Design	2		
<b>Third Semester</b>					
		Social Science Elective <sup>1</sup>	3		
	PED/HLT	Physical Education or Health <sup>1</sup>	1		
	MTH 277	Approved STEM elective	4		
	PHY 241	University Physics I	4		
	EGR 140	Engineering Elective	3		
	EGR 245	Engineering Elective	3		
<b>Fourth Semester</b>					
		Social Science Elective <sup>1</sup>	3		
	PHY 242	University Physics II	4		
	ENG	Literature Elective <sup>1</sup>	3		
	EGR 246	Engineering or Math Elective	3		
	MTH 291	Approved STEM elective	3		
		<b>Total</b>	<b>65-72</b>		

<sup>1</sup>See the list of approved electives

NOTE: Students are strongly encouraged to review transfer institution's requirements to make selections of EGR and STEM electives.

The College reserves the right to make changes to any provision or requirement within these sources, as well as changes to any curriculum or program, whether during a student's enrollment or otherwise.