

## LFCC ADVISING WORKSHEET

Program: AS Science

Catalog Year: 2016-2017

Advisor:

**Chemical Engineering @ VT**

Program purpose: With the tremendous emphasis on scientific discoveries and technological developments in today's society, great demand exists for scientists and scientifically-oriented persons in business, government, industry, and the medical and health professions. The associate of science degree program in science is designed for persons interested in preprofessional scientific programs who plan to transfer to a four-year college or university to complete a baccalaureate or higher degree program with a major in one of the following fields: agriculture, astronomy, biology, biochemistry, biotechnology, botany, chemistry, computer science, dentistry, engineering, entomology, environmental science, forestry, genetics, geology, home economics, horticulture, marine biology, mathematics, meteorology, medicine, nuclear science, pre-pharmacy, physics, science education, veterinary medicine, wildlife biology or zoology.

Check	Course	Title	Credits	Grade	Notes
<b>First Semester</b>					
	ENG 111	College Composition I	3		
	IT/CS	Computer Elective <sup>1</sup>	3		
	MTH 173	Mathematics Elective <sup>2</sup>	3		
	SDV 100	College Success Skills	1		
	CHM 111	Science with Laboratory <sup>3</sup>	4		
<b>Second Semester</b>					
	ENG 112	College Composition II	3		
	HIS	History Elective <sup>4</sup>	3		
	MTH 174	Mathematics Elective <sup>2,4</sup>	3		
	CHM 112	Science with Laboratory <sup>3</sup>	4		
		Social Science Elective <sup>4</sup>	3		
<b>Third Semester</b>					
	ENG	Literature Elective <sup>4</sup>	3		
		Social Science Elective <sup>4</sup>	3		
	PED/HLT	Physical Education or Health <sup>4</sup>	1		
	EGR 120	Approved STEM Elective	3		
	PHY 241	Science with Lab Elective <sup>3</sup>	4		
<b>Fourth Semester</b>					
	CST	Communication Elective <sup>4</sup>	3		
	EGR 123	Approved STEM Elective	3		
	PHY 242	Science with Lab Elective <sup>3</sup>	4		
		Humanities/Fine Arts Elective <sup>4</sup>	3		
	MTH 285	Approved Transfer Elective <sup>4</sup>	3		
		<b>Total</b>	<b>60</b>		

<sup>1</sup>Students may elect from the following courses to fulfill the computer / information literacy requirement: CSC 200, ITE 115, ITE 119

<sup>2</sup>Student should check with the institution to which they will be transferring to determine the most appropriate math courses to take at LFCC. Must be MTH 163 or higher.

<sup>3</sup>A full-year sequence of science with lab is required each year, one of which must be chemistry or physics. See the list of electives.

<sup>4</sup>See the list of electives.

Suggested student also take MTH 277, MTH 291, CHM 241/245 & CHM 242/246