Jefferson State Community College — Engineering Biosystems 2011-2012

(Auburn University only) Program Code T038

Name_____ Student Number_____

Associate in Science degree

Students must print and retain the articulation guide for Biosystems Engineering along with Auburn's Area V courses once determining Biosystems Engineering to be their major. This guide and the Area V course listing must be submitted to the senior institution upon transfer. Failure to do so may result in the program not being transferable. This program does not transfer to all senior public institutions in Alabama. It is the student's responsibility to become familiar with the requirements of the intended transfer senior institution. Refer to the articulation guide for this major at jeffstateonline.com.

*A minimum of 60 hours and a minimum GPA of 2.00 is required for a degree from Jefferson State.
*A minimum of 15 hours in this program must be completed at Jefferson State to satisfy the residency requirement.

Courses for Areas II-IV must be selected from the AGSC General Course Listing found on the back of this checksheet.

Degree Requirements

				Hrs
Area I: Written Communication				**6**
ENG 101	_____	_____	_____	
ENG 102	_____	_____	_____	
Area II: Humanities and Fine Arts				**12**
Literature sequence				
	_____	_____	_____	3
	_____	_____	_____	3
Arts (A)	_____	_____	_____	3
PHL 106	_____	_____	_____	3
Area III: Natural Sciences and Mathematics				**12**
MTH 125S	_____	_____	_____	
CHM 111	_____	_____	_____	
PHY 201	_____	_____	_____	
Area IV: History, Social, and Behavioral Sciences				**12**
History sequence				6
	_____	_____	_____	
	_____	_____	_____	
ECO 232	_____	_____	_____	3
+Additional History, Social, and Behavioral Sciences				3
	_____	_____	_____	
(6 hours maximum of history)				

+Refer to AGSC transfer guide for specific course options.

Area V: Pre-Professional, Major and Elective Courses				**19**
MTH 126S	_____	_____	_____	4
MTH 227	_____	_____	_____	4
BIO 103	_____	_____	_____	4
MTH 238	_____	_____	_____	3
CHM 112	_____	_____	_____	4

Note: Students must complete SPH 106 or 107 to satisfy the oral communication competency as a requirement for graduation.

Note: Students must demonstrate competency in the basic use of the computer as a requirement for graduation. Courses with the computer designation are identified in the "Course Descriptions" section of the *Catalog and Student Handbook* and will satisfy this requirement.

** Please refer to the Auburn home page or catalog for the additional hours in Engineering Biosystems**.**

I understand that I may not graduate under these requirements after summer term 2016.

_____ _____
Student's signature Date

_____ _____
Advisor's signature Date

_____
Advisor's Telephone Number

June 2011

AGSC General Course Listing

Area II: Humanities and Fine Arts 12

Literature 3

- ENG 251 American Literature I
- ENG 252 American Literature II
- ENG 261 English Literature I
- ENG 262 English Literature II
- ENG 271 World Literature I
- ENG 272 World Literature II

Arts 3

- ART 100 Art Appreciation (A)
- ART 203 Art History I (A)
- ART 204 Art History II (A)
- MUS 101 Music Appreciation (A)
- THR 120 Theatre Appreciation (A)
- THR 126 Introduction to Theatre (A)

Additional Humanities and Fine Arts 6

- PHL 106 Introduction to Philosophy
- PHL 206 Ethics and Society
- REL 151 Survey of the Old Testament
- REL 152 Survey of the New Testament
- SPH 106 Fund. of Speech Communication
- SPH 107 Fund. of Public Speaking
- SPA 101 Introductory Spanish I
- SPA 102 Introductory Spanish II
- SPA 201 Intermediate Spanish I
- SPA 202 Intermediate Spanish II

Area III: Natural Sciences and Mathematics 11

Mathematics 3

- MTH 110 Finite Mathematics
- MTH 112 Precalculus Algebra
- MTH 113 Precalculus Trigonometry
- MTH 115 Precalculus Algebra & Trig
- MTH 120 Calculus and Its Applications
- MTH 125 Calculus I
- MTH 126 Calculus II
- MTH 227 Calculus III
- MTH 237 Linear Algebra
- MTH 238 Applied Differential Equations I

Natural Sciences 8

- AST 220 Introduction to Astronomy
- BIO 101 Introduction to Biology
- BIO 102 Introduction to Biology II
- BIO 103 Principles of Biology I
- BIO 104 Principles of Biology II
- CHM 104 Intro to Inorganic Chemistry
- CHM 105 Intro to Organic Chemistry
- CHM 111 College Chemistry I
- CHM 112 College Chemistry II
- IDH 107 Disc: Questions, Hypotheses/Exp
- IDH 109 Cont. Prob. In Science & Tech
- PHS 111 Physical Science I
- PHS 112 Physical Science II
- PHY 201 General Physics I
- PHY 202 General Physics II
- PHY 213 General Physics w/Calculus I
- PHY 214 General Physics w/Calculus II

Area IV: History, Social, and Behavioral Sciences 12

History 3

- HIS 101 History of Western Civilization I
- HIS 102 History of Western Civilization II
- HIS 201 United States History I
- HIS 202 United States History II

Additional History, Social, and Behavioral Sciences 9

- ANT 200 Introduction to Anthropology
- ANT 210 Physical Anthropology
- ANT 220 Cultural Anthropology
- ANT226 Culture and Personality
- ANT 230 Introduction to Archaeology
- ECO 231 Macroeconomics
- ECO 232 Microeconomics
- GEO 100 World Regional Geography
- IDH 206 Political. & Intellectual Forces in the 20th Century
- POL 211 American National Government
- PSY 200 General Psychology
- PSY 210 Human Growth and Development
- SOC 200 Introduction to Sociology
- SOC 210 Social Problems
- SPH 116 Introduction to Interpersonal Communication