

Genesee Community College
 530–Engineering Science–A.S.
 SEMESTER COURSE PLANNING WORKSHEET
 2009-2010

Suggested First Semester	Credits	Suggested Second Semester	Credits
ENG101 (By Placement)	3	ENG102 or ENG105	3
MAT141	4	MAT142	4
PHY131	4	PHY132	4
SPE103 or SPE108 or SPE109	3	CHE102	4
CHE101	4	HEALTH/PE/REC	2
Total	18	Total	17
Suggested Third Semester	Credits	Suggested Fourth Semester	Credits
HISTORY ELECTIVE	3	RESTRICTED ELECTIVE	3
MAT245	4	RESTRICTED ELECTIVE	3
EGR235	3	PHY133	4
CIS125	3	MAT255	4
SOCIAL SCIENCE ELECTIVE	3	EGR236	3
Total	16	Total	17

*Restricted electives (CIS219, EGR101, EGR118, MAT129): CIS219 is recommended for students unsure of where they will transfer.

General Curriculum Information

English (by placement): Satisfactory completion of the writing skills exam is a prerequisite for ENG101. Students who do not satisfactorily complete the writing exam must register for ENG091 and/or ENG100 prior to completing their six (6) hour English sequence.

Mathematics (by placement): Mathematics placement is based on the ACT, ASSET, or COMPASS placement test.

Reading Proficiency Requirement: All students will be required to demonstrate proficiency in reading through testing prior to earning a degree or certificate. Students who do not meet the required standard will be expected to begin remediation immediately.

Electives: Electives for this program should be selected with the transfer institution and program of interest in mind. For additional assistance with course selection, see the Transfer Coordinator in the Career & Transfer Center.

530	Degree Requirements for Engineering Science	A.S.
2009-2010		
1	COMMUNICATIONS	9
	ENG101 English Communications 1	3
	ENG102 English Communications 2 or ENG105 Writing in Humanities	3
	SPE103 or SPE108 or SPE109	3
2	HISTORY	3
	Select one: GEO101, HIS101, HIS102, HIS104, HIS105, HIS203, HIS204, HIS224, HIS225	
3	SOCIAL SCIENCE ELECTIVE	3
	Select one: <u>SUNY Approved Social Science course</u>	
4	MATH	12
	MAT141 Calculus I	4
	MAT142 Calculus II	4
	MAT245 Calculus III	4
5	NATURAL SCIENCE ELECTIVE	20
	CHE101 General Chemistry 1	4
	CHE102 General Chemistry 2	4
	PHY131 General Physics 1	4
	PHY132 General Physics 2	4
	PHY133 General Physics 3	4
6	PROGRAM	13
	CIS125 Programming and Problem Solving	3
	EGR235 Engineering Mechanics 1: Statics	3
	EGR236 Engineering Mechanics 2: Dynamics	3
	MAT255 Differential Equations	4
7	RESTRICTED ELECTIVES	6
	Select two: CIS219, EGR101, EGR118, MAT129	
8	HEALTH/PE/REC	2
	HED***, PED***, REC***	
	TOTAL	68
	Reading and Math Proficiency Required	
	Minimum QPI: 2.00	

Revised: 5/24/00, 5/25/00, 4/20/01, 4/27/01, 8/17/01, 5/10/02, 9/10/02, 4/9/03, 3/18/04, 2/17/05, 3/10/06, 2/26/07, 1/26/09, 2/20/09