LIBERTY UNIVERSITY

School of Engineering and Computational Sciences
Degree Completion Plan (DCP)

B.S. in Electrical Engineering

Name _____ ID _____

GENERAL EDUCATION REQUIREMENTS (53 hours)
ALL GENERAL EDUCATION COURSES MUST BE CHOSEN FROM THE LIST OF "APPROVED RESIDENTIAL GENERAL EDUCATION & INTEGRATIVE COURSES." (www.liberty.edu/gened)

FOUNDATIONAL STUDIES (17 hours)
MUST be completed within the first 45 hours of a student's program. Transfer students must complete within their first year at Liberty.

Course	Hrs.	Sem. Taken	Grade
ENGL 101 Composition and Rhetoric	3		
ENGL 102 Composition and Literature	3		
COMS 101 Speech Communication	3		
MATH 131 Calculus/Analytic Geometry I	4		
GNED 101 Contemporary Issues I	1		
GNED 102 Contemporary Issues II	1		
EVAN 101 Evangelism and Christian Life	2		

Technology Competency Sem. Passed _____

INVESTIGATIVE STUDIES (36 hours)

ENGL 201, 202, 215, 216, 221, or 222	3		
PHYS 231 University Physics I	4		
PHYS 232 University Physics II	4		
HIUS 221 or 222 or HIEU 201 or 202	3		
ENGR 270 Technical Writing for Engineers	3		
HUMN 101, THEA 101, ARTS 105, or MUSC 103	3		
MATH 132 Calculus/Analytic Geometry II	4		
THEO 201 Theology Survey I	3		
THEO 202 Theology Survey II	3		
BIBL 105 Old Testament Survey OR ^BIBL 205 Old Testament Life/Literature	3		
BIBL 110 New Testament Survey OR ^BIBL 210 New Testament Life/Literature	3		

^Options available to Honors students

MAJOR: ELECTRICAL ENGINEERING (53-58 hours)

Course	Hrs.	Sem. Taken	Grade
CSCI 111 Intro. to Programming	3		
ENGR 110 Introduction to Engineering/ Problem Solving	3		
ENGE 201 Intro. to Logic Design	3		
ENGE 211 Intro. to Electrical Circuits	4		
ENGE 212 AC Circuit Analysis	4		
ENGI 220 Engineering Economy	3		
ENGE 311 Signals and Systems	3		
ENGE 321 Electronics	4		
ENGE 331 Electromagnetic Fields	4		
ENGE 341 Communications Systems	3		
ENGE 361 Computer Architecture	3		
ENGR 381 Engineering Design Intro.	3		
ENGE 421 Advanced Electronics	3		
ENGE 351 Power Systems OR ENGE 431 Electromagnetic Compatibility OR ENGE 465 Intro. to Computer Networks	3		
ENGR 481 Engineering Design I	3		
ENGR 482 Engineering Design II	3		
ENGE 495 Directed Research	1-6		

TECHNICAL ELECTIVES (9 hours minimum from list of Approved Engineering Courses)

_____	__		
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QUANTITATIVE STUDIES (16 hours)

ENGR 210 Probability/Statistical Methods	3		
MATH 231 Calculus/Analytical Geom. III	4		
MATH 250 Introduction to Discrete Mathematics	3		
MATH 321 Linear Algebra	3		
MATH 334 Differential Equations	3		

GRADUATION REQUIREMENTS (2 hours minimum)

CRST 290 History of Life	2-3		
FRSM 101 Freshman Seminar	REQ.____	MET____	

All Christian/Community Service requirements must be satisfied before a degree will be awarded.

TOTAL – 133 hours minimum required. (Of this total, at least 39 hours must be 300-400 level.)

7/1/2011