

## Double BS in CPE and EE Degrees - Approved for fall 2019 and beyond

Course	Hours
ECGR 2103 - Computer Utilization in C++	3
ECGR 2104 - Computer Engineering Programming II	3
ECGR 2111 - Network Theory I	3
ECGR 2112 - Network Theory II	3
ECGR 2155 - Instrumentation and Networks Laboratory	1
ECGR 2156 - Logic and Networks Laboratory	1
ECGR 2181 - Logic Systems Design	3
ECGR 2254 - Analytical Foundations of Electrical and Computer Engineering	3
ECGR 3101 - Embedded Systems	3
ECGR 3111 - Signals and Systems	3
ECGR 3112 - System Analysis II	3
ECGR 3121 - Introduction to Electromagnetic Fields	3
ECGR 3122 - Electromagnetic Waves	3
ECGR 3123 - Data Communications and Networking	3
ECGR 3131 - Fundamentals of Electronics and Semiconductors	3
ECGR 3132 - Electronics	3
ECGR 3142 - Electrical Energy Conversion	3
ECGR 3155 - Systems and Electronics Laboratory	1
ECGR 3156 - Electromagnetic and Electronic Devices Laboratory	1
ECGR 3157 - ECE Junior Design	3
ECGR 3159 - Professional Practice	1
ECGR 3180 - Data Structures and Algorithms in C++	3
ECGR 3183 - Computer Organization	3
ECGR 4124 - Digital Signal Processing	3
ECGR 4241 or 4251 - Electrical or Computer Engineering Senior Design I	2
ECGR 4242 or 4252 - Electrical or Computer Engineering Senior Design II	2
ECGR 4433 - VLSI Systems Design	3
ECGR 4xxx - Technical Elective (not a 4000-level listed above)	3
ECGR 4xxx - Technical Elective (not a 4000-level listed above)	3
ECGR 4xxx - Technical Elective (not a 4000-level listed above)	3
ECON 2101 or 2102 - Principles of Economics - Macro or Micro	3
ENGR 1201 - Introduction to Engineering Practices and Principles I	2
ENGR 1202 - Introduction to Engineering Practices and Principles II	2
ENGR 3295 - Multidisciplinary Professional Development	1
LBST 110x - Liberal Studies -Arts	3
LBST 2201, 2202, or 221X - Liberal Studies	3
LBST 2201, 2202, or 221X - Liberal Studies	3
LBST 2301 - Critical Thinking and Communication	3
MATH 1165 - Introduction to Discrete Structures	3
MATH 1241 - Calculus I	3
MATH 1242 - Calculus II	3
MATH 2164 - Matrices and Linear Algebra	3
MATH 2171 - Differential Equations	3
MATH 2241 - Calculus III	3
PHYS 2101 - Physics for Science and Engineering I	3
PHYS 2101L - Physics for Science and Engineering I Laboratory	1
PHYS 2102 - Physics for Science and Engineering II	3
PHYS 2102L - Physics for Science and Engineering II Laboratory	1
PHYS 3141 Introduction to Modern Physics	3
STAT 3128 - Probability and Statistics for Engineers	3
UWRT 1103 or 1104 - University Writing	3
<b>Total Hours</b>	<b>133</b>