EET: ELECT ENGINEERING TECH

Courses

	Credit(s)	Contact	Lab
EET 1015C. FUNDAMENTALS OF DC CIRCUITS.	3	2	2

FUNDAMENTALS OF DC CIRCUITS Prerequisite: EET 1214C and either MTB 1329 or MAC 1105 or department approval. Fundamental course in DC electric circuits. Prepares student for EET 1025C and subsequent advanced courses. Classroom lectures supplemented with laboratory projects to provide student with hands-on experience in use of electronics test equipment and in proper techniques for data measurements/interpretation, trouble-shooting and orderly documentation of test results and conclusions. (Special Fee: $93.00).

EET 1025C. FUNDAMENTALS OF AC CIRCUITS.	3	2	2

FUNDAMENTALS OF AC CIRCUITS Prerequisite: EET 1015C or department approval. Fundamental course in AC and transient-response networks designed to prepare students for advanced courses. Classroom lectures supplemented with laboratory projects to provide student with practical hands-on experience in use of electronics test equipment and in proper techniques for data measurements/interpretation, trouble-shooting and orderly documentation of test results and conclusions. (Special Fee: $84.00).

EET 1084C. FUNDAMENTALS OF ELECTRONICS.	3	2	2
EET 1214C. INTRODUCTION TO ENGINEERING TECHNOLOGY.	3	2	2
EET 2035C. ELECTRICAL CIRCUITS.	3	2	2

ELECTRICAL CIRCUITS Prerequisite: EET 1214C and MAC 1140 or department approval. This course introduces students to the principles and techniques required to analyze electrical circuits. Students will gain an in-depth understanding and hands-on experience with circuit simulator and laboratory projects. (Special Fee: $97.00).

EET 2036C. PRINCIPLES OF ELECTRIC CIRCUITS.	3	2	2
EET 2141C. SEMICONDUCTOR DEVICES AND CIRCUITS.	3	2	2
EET 2142C. INTEGRATED CIRCUITS.	3	2	2
EET 2325C. RF COMMUNICATION.	3	2	2
EET 2365C. WIRELESS AND DATA COMMUNICATIONS.	3	2	2
EET 2942. INTERNSHIP IN ELECTRONICS ENGINEERING TECHNOLOGY.	1-4	variable	

INTERNSHIP IN ELECTRONICS ENGINEERING TECHNOLOGY Prerequisites: Satisfactory completion of all mandated courses in Reading, Mathematics, English, and English for Academic Purposes; and EET 2036C or EET 2035C or EET 1025C, CET 2114C or CET 2113C, EET 2141C, and ETS 2210C. The Program Director/Program Chair/ Program Coordinator or Internship Placement Office has the discretion to provide override approval as it relates to the waiver of required program/discipline-related courses. This course is a planned work-based experience that provides students with an opportunity to fine- tune skill sets learned in coursework and enhance workplace skills through a supervised practical experiences related to their career objectives. Each earned credit of Internship requires a minimum of 80 clock hours of work. Multiple credit course. May be repeated for credit, but grade forgiveness cannot be applied. (Internship Fee $10.00).

EET 3086C. CIRCUIT ANALYSIS.	4	3	2
EET 3329C. COMMUNICATION SYSTEMS.	3	2	2

COMMUNICATION SYSTEMS Prerequisite: A minimum grade of C in EGN 3428 and EET 3086C A fundamental course in communication systems theory. Topics include relationship between time and frequency domain signals, comparison of different modulators and demodulators designs, bandwidth consideration, effect of noise and performance analysis of different communication systems. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement. (Special fee: $107.00).

EET 3732. LINEAR CONTROL SYSTEMS.	3	3	0
EET 4158C. LINEAR INTEGRATED CIRCUITS AND SYSTEMS.	3	3	1

LINEAR INTEGRATED CIRCUITS AND SYSTEMS Prerequisite: EET 1141C and a minimum grade of C in EET 3086C An in-depth course of Operational Amplifier and its applications. Topics include study of amplifier concepts, analysis of ideal and linear operational amplifiers under DC and AC conditions, and discussion of important applications. Circuit simulator and laboratory projects will provide an in-depth understanding and hands-on experience. Minimum grade of C required if used to satisfy Electrical and Computer Engineering Technology, B.S. Degree requirement. (Special Fee: $41.00).

EET 4910. SENIOR DESIGN PROPOSAL.	1	1	0
EET 4950. SENIOR DESIGN PROJECT.	3	3	0