

ZANE STATE COLLEGE

CURRICULUM FOR ELECTRICAL/ELECTRONICS ENGINEERING TECHNOLOGY

CLASSIFI.

<u>OBOR</u>	<u>CRSE</u>	<u>NO</u>	<u>COURSE TITLE</u>	<u>LEC</u>	<u>LAB</u>	<u>CON</u>	<u>CRD</u>
<u>FALL QUARTER (1)</u>							
T	EET	111	D.C. Circuit Analysis I	3	3	6	4
T(B)	EGT	109	Engineering Technology Computer Applications	1	4	5	3
G	ENG*	150	Freshman Composition	5	0	5	5
G	IDS	101	College Success Strategies	0	2	2	1
G	MTH**	113	Algebra	<u>4</u>	<u>0</u>	<u>4</u>	<u>4</u>
				13	9	22	17
<u>WINTER QUARTER (2)</u>							
T	CAD	105	AutoCAD I	1	4	5	3
T	EET	112	D.C. Circuit Analysis II	3	3	6	4
T	EET	113	Electronic Devices	3	3	6	4
G	ENG	180	Technical Writing	4	0	4	4
G	MTH	124	Algebra & Trigonometry I	<u>4</u>	<u>0</u>	<u>4</u>	<u>4</u>
				15	10	25	19
<u>SPRING QUARTER (3)</u>							
G	CHM	101	Chemistry	3	3	6	4
T	EET	114	Digital Circuits	3	3	6	4
T	EET	123	A.C. Circuit Analysis	3	3	6	4
G	MTH	125	Algebra & Trigonometry II	<u>4</u>	<u>0</u>	<u>4</u>	<u>4</u>
				13	9	22	16
<u>SUMMER QUARTER (4)</u>							
G	PHY	201	Physics I	3	3	6	4
T			Technical Elective***	<u>0-2</u>	<u>0-5</u>	<u>0-7</u>	<u>0-4</u>
				3-5	3-8	6-13	4-8
<u>FALL QUARTER (5)</u>							
T	EET	215	Digital Circuits & Microprocessors	3	3	6	4
T	EET	230	Electronic Communications	3	3	6	4
G	MTH	225	Introductory Calculus	4	0	4	4
T			Technical Elective	<u>2-3</u>	<u>3-5</u>	<u>5-8</u>	<u>3</u>
				12-13	9-11	21-24	15
<u>WINTER QUARTER (6)</u>							
T	EET	245	Rotating Machinery and Controls	3	3	6	4
G	EGT	206	Employment Search	1	0	1	1
G			Social and Behavioral Science Elective	4	0	4	4
T			Technical Electives (2 or 3)	<u>5-6</u>	<u>7-10</u>	<u>12-16</u>	<u>7-10</u>
				13-14	10-13	23-27	16-19
<u>SPRING QUARTER (7)</u>							
G	COM	261	Public Speaking	3	2	5	4
G			Social and Behavioral Science Elective	4	0	4	4
T			Technical Electives (2 or 3)	<u>4-7</u>	<u>8-11</u>	<u>12-18</u>	<u>7-10</u>
				11-14	10-13	21-27	15-18

* Students whose English placement test results predict difficulty with ENG 150 must first complete ENG 096 before enrolling in ENG 150.

** Students whose Math placement test results predict difficulty in their required Math course or Math elective must first complete additional Math courses prior to enrollment. Students who fail MTH 113 may not register for MTH 113 again unless they also register for MTH 106 (MTH 113 Excel Lab).

*** Only students pursuing the computer networking concentration need to take a technical elective in the summer.

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(Continued)

CLASSIFI.	OBOR	CRSE	NO	COURSE TITLE	LEC	LAB	CON	CRD
<u>TECHNICAL ELECTIVES</u> (Choose Remaining Elective Courses to Total a Min. of 60 Technical Hours)								
T	BMC		120	Excel	2	3	5	3
T	BMC		125	Introduction to Internet	2	3	5	3
T	BMC		130	Access	1	4	5	3
T	CAD		119	AutoCAD II	1	4	5	3
T	EET		105	Introduction to the Electric Power Utility Industry	3	0	3	3
T	EET		151	Cisco Routers I	2	5	7	4
T	EET		153	Cisco Routers II	2	5	7	4
T	EET		155	Cisco Routers III	2	5	7	4
T	EET		157	Cisco Routers IV	2	5	7	4
T	EET		211	Power Control Electronics	3	3	6	4
T	EET		221	Industrial Instrumentation and Controls	3	3	6	4
T	EET		251	Programmable Logic Controllers	3	3	6	4
T	EET		270	Power Protection and Control	3	3	6	4
T	EGT		145	Industrial Mechanics	1	4	5	3
T	EGT		200	Internship I	0	0	40	4
T	EGT		205	Seminar	1	0	1	1
T	EGT		215	Advanced Engineering Computer Technology Applications	1	4	5	3
T	ITC		121	Visual Basic	2	3	5	3
T	ITC		141	Introduction to C++ Programming	2	3	5	3
T	ITC		144	Digital Photography	2	3	5	3
T	ITC		150	Microcomputer Hardware	2	2	4	3
T	ITC		240	Introduction to Networking	2	3	5	3
T	MET		201	Engineering Economy	2	3	5	3
T	MET		210	Computer Aided Working Drawings	1	4	5	3
T	MET		219	Statistical Process Control	2	2	4	3
T	MET		221	Statics	2	3	5	3
T	MET		231	Strength of Materials	2	3	5	3
T	MET		251	Hydraulics & Pneumatics I	2	3	5	3
T	NFS		215	Introduction to Geographic Information Systems	2	3	5	3
T	SUR		142	Remote Sensing & Cartography	2	3	5	3
T	SUR		219	Fundamentals of Surveying	2	4	6	4

SOCIAL AND BEHAVIORAL SCIENCE ELECTIVES

The list of acceptable Social and Behavioral Science electives and Arts and Humanities electives can be referenced in the Zane State College 2011-2012 Catalog.

ASSOCIATE OF APPLIED SCIENCE DEGREE (107-108) Credits)

GRAND TOTALS	OBOR (CREDIT)			
	GEN	BAS	TEC	TOT
	47	0	60-61	107-108

- Technical hours will vary depending on the courses selected to fulfill Technical Requirements and Technical Electives.

REVISED: March 2011

EFFECTIVE DATE: June 2011

ZANE STATE COLLEGE

EET CONCENTRATION EXAMPLES

* These three concentrations are not meant to be all-inclusive. Others can be established with the Advisor/Dean Approval.

** All three concentrations assume that no summer internship is included; however, it is recommended that any approved internship is an enhancement of the degree.

CORE COURSES		INDUSTRIAL		COMPUTER NETWORK ENGINEERING TECHNOLOGY		ELECTRO/MECHANICAL	
Summer (Soph year)							
<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>
PHY 201	4			EET 151	4		
Technical Elective	<u>3</u>						
TOTAL	7	TOTAL	7	TOTAL	11	TOTAL	7
Fall (Soph year)							
<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>
EET 215	4	EET 211	4	EET 153	4	ITC 150	3
EET 230	4						
MTH 225	<u>4</u>						
TOTAL	12	TOTAL	16	TOTAL	16	TOTAL	15
Winter (Soph year)							
<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>
EET 245	4	EGT 145	3	EET 155	4	CAD 119	3
EGT 206	1	EET 221	4	ITC 121	3	EET 221	4
Soc./Behavioral Elec.	<u>4</u>					CAD 119	<u>3</u>
TOTAL	9	TOTAL	16	TOTAL	16	TOTAL	19
Spring (Soph year)							
<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>	<u>Course</u>	<u>CRD</u>
COM 261	3	CAD 119	3	EET 157	4	EET 251	4
Soc./Behavioral Elec.	4	EET 251	4	ITC 240	3	MET 251	3
		ITC 150	<u>3</u>			Technical Elective	<u>3</u>
TOTAL	7	TOTAL	17	TOTAL	14	TOTAL	17
GRAND TOTALS		107		108		107	