## Electrical Engineering Technology - Power Systems Major

## Center for Innovative Technologies Division 2016-2017 Curriculum

Course   Title   Pre-Reqs   Lec   Lab   Hours	_			_		Credit
CTT-105		Title	Pre-Reqs	Lec	Lab	Hours
EET-131		OCITA 10 Comment to deserting Coffees		1	0	1
ENG-101		1				
FYE-XXX						
MAT-XXX					_	
Semester 2   EET-132		•				
Semester 2						
Semester 2   EET-132	PSET-110	Power Systems CAD		2	3	
EET-132						16
MAT-XXX         Math Elective 2         3         2         4           PSET-120         Advanced CAD with GIS         PSET 110         2         2         3           PSET-130         National Electric Code & National Electric Safety Code         EET 131         1         2         2           PSET-140         Power Systems Foundations         Industrial         2         2         3           Industrial Composition Electric Education 1: PSET         EMET 140         1         40         2           Semester 4           ENG-10X         English Composition Electric         ENG 101         3         0         3           PSET-225         Industrial and Commercial Power Design         PSET 120, PSET 140         3         3         4           EMET-240         PLCs, Motors, Motor Controls, and Kinematics         EET 132         2         3         3         4           PSET-250         Power Transmission and Distribution Design         PSET 140         2         3         3         1           Semester 5           ECO-1XX         Economics Elective         EMET 140, EMET 240         3         3         4           PSET-250         Protective Relays and Controls         PSET 225	Semester 2					
MAT-XXX         Math Elective 2         3         2         4           PSET-120         Advanced CAD with GIS         PSET 110         2         2         3           PSET-130         National Electric Code & National Electric Safety Code         EET 131         1         2         2           PSET-140         Power Systems Foundations         Industrial         2         2         3           Industrial Composition Electric Education 1: PSET         EMET 140         1         40         2           Semester 4           ENG-10X         English Composition Electric         ENG 101         3         0         3           PSET-225         Industrial and Commercial Power Design         PSET 120, PSET 140         3         3         4           EMET-240         PLCs, Motors, Motor Controls, and Kinematics         EET 132         2         3         3         4           PSET-250         Power Transmission and Distribution Design         PSET 140         2         3         3         1           Semester 5           ECO-1XX         Economics Elective         EMET 140, EMET 240         3         3         4           PSET-250         Protective Relays and Controls         PSET 225		Circuit Analysis 2	EET 131, MAT 125	3	2	4
PSET-120		· · · · · · · · · · · · · · · · · · ·				
PSET-130			PSET 110			
PSET-140   Power Systems Foundations			EET 131			
Semester 3   PSET-291   Full-Time Cooperative Education 1: PSET   EMET 140   1   40   2   2			EET 131			
Semester 3   PSET-291   Full-Time Cooperative Education 1: PSET   EMET 140   1   40   2   2   2   2   2   2   2   2   2		· · ·			<u> </u>	
Semester 4   ENG-10X   English Composition Elective   ENG 101   3   0   3   3   4   4   5   5   5   5   5   5   5   5						
Semester 4		I				
Semester 4	PSET-291	Full-Time Cooperative Education 1: PSET	EMET 140	1	40	
ENG-10X         English Composition Elective         ENG 101         3         0         3           PSET-225         Industrial and Commercial Power Design         PSET 120, PSET 140         3         3         4           EMET-240         PLCs, Motors, Motor Controls, and Kinematics         EET 132         2         3         3         2         4           PHY-XXX         Physics Elective         3         2         4         2         3         3         2         4           PSET-250         Power Transmission and Distribution Design         PSET 140         2         3         3         3         1           ECO-1XX         Economics Elective         Stationary Engineering with Instrumentation and CO         EMET 140, EMET 240         3         3         4           PSET-275         Protective Relays and Controls         PSET 225         2         3         3         4           PSET-290         Power Systems Capstone         PSET 220         1         2         2           Semester 6         PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65						2
ENG-10X         English Composition Elective         ENG 101         3         0         3           PSET-225         Industrial and Commercial Power Design         PSET 120, PSET 140         3         3         4           EMET-240         PLCs, Motors, Motor Controls, and Kinematics         EET 132         2         3         3         2         4           PHY-XXX         Physics Elective         3         2         4         2         3         3         2         4           PSET-250         Power Transmission and Distribution Design         PSET 140         2         3         3         3         1           ECO-1XX         Economics Elective         Stationary Engineering with Instrumentation and CO         EMET 140, EMET 240         3         3         4           PSET-275         Protective Relays and Controls         PSET 225         2         3         3         4           PSET-290         Power Systems Capstone         PSET 220         1         2         2           Semester 6         PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65						
PSET-225   Industrial and Commercial Power Design   PSET 120, PSET 140   3   3   3   4					ı	
EMET-240   PLCs, Motors, Motor Controls, and Kinematics   EET 132   2   3   3   2   4   4   PSET-250   Power Transmission and Distribution Design   PSET 140   2   3   3   3   3   3   3   3   3   3						3
PHY-XXX		_	PSET 120, PSET 140			4
PSET-250   Power Transmission and Distribution Design   PSET 140   2   3   3   17			EET 132		3	3
Semester 5   ECO-1XX   Economics Elective   Stationary Engineering with Instrumentation and CO   EMET 140, EMET 240   3   3   4   PSET-275   Protective Relays and Controls   PSET 225   2   3   3   3   4   PSET-290   Power Systems Capstone   PSET 220   1   2   2   2   2   2   2   2   2   2	PHY-XXX	Physics Elective			2	4
Semester 5           ECO-1XX         Economics Elective         3         0         3           PSET-260         Stationary Engineering with Instrumentation and CO         EMET 140, EMET 240         3         3         4           PSET-275         Protective Relays and Controls         PSET 225         2         3         2         2         3         3         3         3         2         2         2         3         3         3         2         2         2         2         3         3         3         4         2         2         2         2         3         3         3         4         2         2         2         3         3         1         4         2         2         2         3         3         1         4         2         2         2         3         3	PSET-250	Power Transmission and Distribution Design	PSET 140	2	3	
ECO-1XX         Economics Elective         3         0         3           PSET-260         Stationary Engineering with Instrumentation and CO         EMET 140, EMET 240         3         3         4           PSET-275         Protective Relays and Controls         PSET 225         2         3         3         3           PSET-290         Power Systems Capstone         PSET 220         1         2         2         2           Semester 6           PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65						17
ECO-1XX         Economics Elective         3         0         3           PSET-260         Stationary Engineering with Instrumentation and CO         EMET 140, EMET 240         3         3         4           PSET-275         Protective Relays and Controls         PSET 225         2         3         3         3           PSET-290         Power Systems Capstone         PSET 220         1         2         2         2           Semester 6           PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65						
PSET-260       Stationary Engineering with Instrumentation and CO       EMET 140, EMET 240       3       3       4         PSET-275       Protective Relays and Controls       PSET 225       2       3       3         PSET-290       Power Systems Capstone       PSET 220       1       2       2         Semester 6         PSET-292       Full-Time Cooperative Education 2: PSET       PSET 291       1       40       2         Total       65		<u>,                                      </u>			T	,
PSET-275       Protective Relays and Controls       PSET 225       2       3       3         PSET-290       Power Systems Capstone       PSET 220       1       2       2         12         Semester 6         PSET-292       Full-Time Cooperative Education 2: PSET       PSET 291       1       40       2         Total       65						3
PSET-290         Power Systems Capstone         PSET 220         1         2         2           Semester 6           PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65				3	3	4
Semester 6   PSET-292   Full-Time Cooperative Education 2: PSET   PSET 291   1   40   2   2     Total   65	PSET-275	Protective Relays and Controls	PSET 225	2	3	3
Semester 6           PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65	PSET-290	Power Systems Capstone	PSET 220	1	2	2
PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65						12
PSET-292         Full-Time Cooperative Education 2: PSET         PSET 291         1         40         2           Total         65	_					
Total 65		T			T .	
Total 65	PSET-292	Full-Time Cooperative Education 2: PSET	PSET 291	1	40	
	г . т	N: FGO 105 FGO 110			Total	65

Economics Elective: ECO 105, ECO 110

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

First Year Experience: FYE 100, FYE 105, FYE 110

Math Electives: Take one of the following series: (MAT 125 and MAT 126) or (MAT 251 and MAT 252)

Physics Elective: PHY 151, PHY 201