

# PURDUE UNIVERSITY NORTH CENTRAL

## *Electrical & Computer Engineering Technology Program*

### IVY TECH COMMUNITY COLLEGE OF INDIANA to PURDUE NORTH CENTRAL CONVERSION CHART \*

<u>ITCC Course Number</u>	<u>Course Title</u>	<u>Cr.</u>	<u>PNC Course Number</u>	<u>ITCC Course Number</u>	<u>Course Title</u>	<u>Cr.</u>	<u>PNC Course Number</u>
<b>Technical Courses</b>				<b>General Education Courses</b>			
CIM 102	Introduction to Robotics	3	IET 20200	APS / ASO	Psychology/Social Science	3	H/SS Elective
ECT 101	Introduction to Electronics & Projects	3	ECET 19600	CIS 121	C-C++C# Programming	3	CPET 299
ECT 111	Introduction to Circuit Analysis	4	ECET 10700	COM 101	Fundamentals of Public Speaking	3	COM 11400
ECT 112	Digital Fundamentals	3	ECET 10900	ENG 111	English Composition	3	ENGL 10100
ECT 121	Electronics Circuit Analysis	4	ECET 15700	HEW 101	English Composition I	3	ENGL 10100
ECT 122	Digital Applications	4	ECET 15900	HSS 143	Public Speaking	3	COM 11400
ECT 128	Introduction to C Programming	3	CPET 29900	MAT 131	Algebra/Trigonometry I	3	MA 15300
ECT 211	AC Circuit Analysis	4	ECET 20700	MAT 132	Algebra/Trigonometry II	3	MA 15400
ECT 222	Introduction to Microcontrollers	4	ECET 20900	MAT 133	College Algebra	3	MA 15300
EECT 101	Intro to Electronics & Projects	3	ECET 19600	MAT 134	Trigonometry	3	MA 15400
EECT 111	Introduction to Circuit Analysis	4	ECET 10700	MAT XX1	1st course in Math sequence	3	MA UND
EECT 112	Digital Fundamentals	3	ECET 10900	MAT XX2	2nd course in Math sequence	3	MA UND
EECT 121	Electronics Circuit Analysis	4	ECET 15700	MAT XXX	Technical Calculus I	3	MA 22300
EECT 122	Digital Applications	4	ECET 15900	MAT XXX	Technical Calculus II	3	MA 22400
EECT 128	Introduction to C Programming	3	CPET 29900	PHY 101	Physics I	4	PHYS 22000
EECT 211	AC Circuit Analysis	4	ECET 20700	SIP 101	Physics I	4	PHYS 22000
EECT 222	Introduction to Microcontrollers	4	ECET 20900	XXX XXX	Humanities/Social Science Elective	3	UND
EECT 280	Co-op / Internship	3	ECET 29100				
EET 221	Electrical Power & Controls	4	ECET 23100				
EET 223	Power & RF Electronics	4	ECET 25700				
EET 225	Electronic Prototype Development	4	ECET 29700				
EETC 223	Power & RF Electronics	4	ECET 25700				
EETC 221	Electrical Power & Controls	4	ECET 23100				
EETC 225	Electronic Prototype Development	4	ECET 29700				
ELT 120	Introduction to Electronics	3	See Note #1				
ELT 121	Circuits I	3	See Note #1				
ELT 122	Circuits II	3	See Note #1				
ELT 124	Digital I	3	ECET 10900				
ELT 125	Digital II	3	ECET 15900				
ELT 126	Solid State I	3	See Note #2				
ELT 127	Industrial Electronics	3	ECET UND (See Note #4)				
ELT 203	Intro to Industrial Controls	3	ECET UND (See Note #4)				
ELT 212	Networking	3	ECET UND (See Note #4)				
ELT 214	Industrial Instrumentation	3	ECET UND (See Note #4)				
ELT 221	Solid State II	3	See Note #2				
ELT 222	Microprocessors	3	ECET UND (See Note #4)				
ELT 223	Electrical Machines	3	See Note #3				
ELT 224	Linear Integrated Circuit App.	3	See Note #2				
ELT 225	National Electrical Code	3	ECET UND (See Note #4)				
ELT 226	Computer Troubleshooting	3	ECET UND (See Note #4)				
ELT 233	Industrial Motors and Controls	3	ECET UND (See Note #4)				
ELT 234	Advanced Problem Solving	3	ECET UND (See Note #4)				
ELT 239	Troubleshooting Techniques	3	ECET UND (See Note #4)				
ELT 280	Co-op/Internship	3	ECET 29100				
ELT 282	Technical Programming	3	ECET UND (See Note #4)				
MIT 104	Fluid Power Basics	3	MET UND				
MIT 205 (w/out ELT 223)	Programmable Controllers I (PLC's)	3	ECET UND				
MIT 205 (with ELT 223)	Programmable Controllers I	3	See Note #3				
MIT 205 (with MIT 206)	Programmable Controllers I	3	See Note #5				
MIT 206 (with MIT 205)	Programmable Controllers II	3	See Note #5				
TEC 102	Technical Graphics	3	CNIT UND				
TEC 103	Collaborative Team Skills	1	UND				
TEC 104	Computer Fundamentals for Tech.	3	CNIT 107				

**Notes:**

\* Effective date of this conversion chart August 20, 2004. (R L Taylor & C J Smith) (Revised 071608, 010809 & 111609)

- (1) ELT 120 + 121 + 122 (9 cr) equates to PNC ECET 10700 + 20700 (8 cr).
- (2) ELT 126 + 221 + 224 (9 cr) equates to PNC ECET 15700 + 25700 (8 cr).
- (3) ELT 223 + MIT 205 (6 cr) equates to PNC ECET 23100 (4 cr).
- (4) ELT courses with no direct correlation to Purdue ECET courses transfer as undistributed ECET credit.
- (5) MIT 205 + 206 (6 cr) equates to PNC ECET 30200 (4 cr).

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