

MS in Electronics & Computer Technology Program

Courses and Activities Mapped to MS in Electronics & Computer Tech Outcome Set

MS in Electronics & Computer Technology Outcomes						
1. proficiency to perform and apply research	2. ability to develop scholarship	3. ability to work independently	4. ability to orally present the results of their inquiry	5. acquire, or improve existing, technical knowledge	6. apply theoretical knowledge to practical applications	7. evaluation and integration of technical knowledge
The student will effectively demonstrate proficiency to perform and apply research methodologies to the ECT field.	The student will effectively demonstrate the ability to develop scholarship in the ECT field.	The student will effectively demonstrate the ability to work independently.	The student will effectively demonstrate the ability to orally present the results of their inquiry in a professional manner.	The student will acquire, or improve existing, technical knowledge in the field of Electronics, Computer, or Automation & Industrial Controls Technology.	The student will effectively demonstrate proficiency to apply theoretical knowledge to practical applications and projects through experiential learning.	The student will effectively demonstrate proficiency at the evaluation and integration of technical knowledge and theory.

Courses and Learning Activities

ECT 537 Industrial Computer Systems Management					P	P	
ECT 542 Electronic Control Systems					P	P	
ECT 603 Topics & Experiences in Electronics and Computer Technology				P			
ECT 623 Analog Based System Design and Development					P	P	
ECT 631 Local Area Networks					R	R	
ECT 633 Information Security Management					R		
ECT 634 Automated Systems Integration					R	R	

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ECT 635 Network Service Administration					R		
ECT 642 Process Control Technology					R	R	
ECT 661 Robotic Electronic Controls					R	R	
ECT 663 Theory of Electronic Control					R	R	
ECT 679 Theory of Electronic Control	P	P	P	P			
ECT 680 Seminar: Analysis of Technical Systems	P		P	P			P
ECT 697 Major Project	R	R	R	R			
ECT 698 Research in Electronics and Computer Technology	R	R					R
ECT 699 Master's Thesis	R	R	R	R			

Legend: I Introduced P Practiced R Reinforced

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