

**Microelectronics-Photonics Graduate Program  
MS/PhD Degree Plan**

Revised June 14, 2017

Name Date		Semester Planned or Actual	Grade	MS Hours - 27 hours minimum	Courses audited against UAConnect (xx)	Thesis Hours - 6 minimum	PhD Level Hours - 27 hours minimum	Grad Certificate Business	Grad Certificate Entrepreneurship	Special Problem/Project - 6 hour MAX	Special Topics - 9 hour MAX	Dissertation Hours - 21 minimum
<b>Materials (one or more courses required)</b>												
<b>Fabrication Theory (one or more courses required)</b>												
<b>Fabrication Practice (one or more courses recommended)</b>												
<b>Applications</b>												
ELEG 5203	Semiconductor Devices											
<b>Management of Tech. (3 Hours for MS; combined 6 hours for PhD)</b>												
MEPH 5383	Commercialization of Research	Sp		3				3	3			
MGMT 5213	Foundations of Business for Entrepreneurs	Sp						3	3			
MGMT 5323, 5223, 5363, 5313	One of the listed four courses	Sp						3	3			
MGMT 5323	New Venture Development	Sp						3	3			
MBAD 5413	Business Plan Project	Sp						3	3			
MGMT 5363	Innovation and Creativity	Sp						3	3			
ACCT 5223, ECON 5243, FINN 5223, MKTG 5103, TLOG 5633, WCOB 5213	One of the listed six courses	Sp						3	3			
<b>Undergraduate Deficiencies</b>												
MATH 3404 or Equivalent	Math through Differential Equations											
PHYS 3614 or Equivalent	Junior level introduction to Modern Physics											
PHYS 3414 or Equivalent	Junior level electromagnetics - OR -											
PHYS 220(2) and PHYS 320(2)	Intro to Electronics - OR -											
ELEG 3703 or Equivalent	Junior level electromagnetics											
<b>Other Courses</b>												
BENG 5703	Design and Analysis of Experiments - OR -							Req				
<b>Research Hours:</b>												
DEPT 600V	Masters' Thesis											
DEPT 700V	Doctoral Dissertation											
<b>Other Required Courses (one required each semester on campus)</b>												
MEPH 5811	Op Sem: Infrastructure Management	Sp										
MEPH 5911	Op Sem: Personnel Management	Sp										
MEPH 6811	Op Sem: Management and Leadership	Sp										
MEPH 6911	Op Sem: Adv. Management and Leadership	Sp										
MEPH 5821	Engineering and Science Ethics	Su						Elect	Elect			
MEPH 5832	Proposal Writing and Management	Su						Elect	Elect			
MEPH 5611	Research Communications Seminar - MS	Su										
MEPH 6611	Research Communications Seminar - PhD	Su										
<b>TOTAL HOURS:</b>				3	0	0	0	12	6	0	0	0

- Student Requirements:**
- All Students Entering Fall 2017:**
1. Committee formed by January 15, 2018.
  2. Title form submitted to Grad School by May 15, 2018.
  3.  $\mu$ EP Research Document accepted by Committee prior to end of spring 2018.
- Entering PhD Students Fall 2017:**
4. PhD candidacy research proposal accepted by dissertation committee by 8/15/2019 or be removed from program.
  5. PhD written candidacy exam in Spring 2018 (MS  $\mu$ EP) or Spring 2019 (other MS degree).
- NOTE: MEPH 5383 must be taken the first spring semester if a student is entering with a MS degree other than MS  $\mu$ EP.**

**SIGNATURES:** MAJOR PROFESSOR: \_\_\_\_\_ MICROEP DIRECTOR: \_\_\_\_\_  
 Date: \_\_\_/\_\_\_/\_\_\_ Date: \_\_\_/\_\_\_/\_\_\_

