

## COURSEWORK REQUIREMENTS

### **MSME (Thesis Option)**

Minimum hours required: 24 hours of coursework + 6 hours of MEEG 600V Master's Thesis

Specific rules for coursework:

- At least 12 hours of MEEG 5000 level or above
- At least 6 hours of approved Math courses
- At most 6 hours of 4000 level (cannot be required courses for BSME)
- At most 3 hours of MEEG 592V Special Project

### **MSME (Non-Thesis Option)**

Minimum hours required: 33 hours of coursework + 1 research project report

Specific rules for coursework:

- At least 21 hours of MEEG courses
- At least 18 hours of MEEG 5000 level or above
- At least 6 hours of approved Math courses
- 3 to 6 hours of MEEG 592V Special Project

### **PhD (enter program with BSME)**

Minimum hours required (after BSME): 42 hours of coursework + 30 hours of MEEG 700V Dissertation

Specific rules for coursework:

- At least 12 hours of MEEG 5000 level or above
- At least 30 hours of 5000 level or above
- At most 3 hours of MEEG 592V Special Project
- At least 6 hours of approved Math courses
- At most 6 hours of 4000 level and courses must be taken in the first 30 hours

### **PhD (enter program with MSME)**

- Same as above, but up to 30 hours earned from MSME (including 6 hours of MS thesis) can be transferred.
- Students must obtain approval from grad coordinator regarding hour transfer.
- No 4000-level courses permitted.

### **Approved Math courses**

- INEG 5263 Engineering Statistics
- MATH 4443 Complex Variable for Application
- MATH 4503 Differential Geometry
- MATH 5213 Advanced Calculus I
- MATH 5223 Advanced Calculus II
- MATH 5303 Ordinary Differential Equations
- MATH 5313 Partial Differential Equations
- MATH 5363 Scientific Computation and Numerical Methods

- MATH 5383 Numerical Analysis
- MATH 5393 Numerical Linear Algebra
- MATH 5423 Introduction to Partial Differential Equations
- MEEG 4703 Mathematical Methods in Engineering
- MEEG 5733 Advanced Numerical Methods
- PHYS 5073 Math Methods of Physics
- STAT 5103 Introduction to Probability Theory

### **ADVISING PROCEDURE**

#### **Fall advising for Spring registration**

Meet with student and fill out the following forms:

1. Performance Survey by Student – Complete online [HERE](#)
2. Performance Survey by Faculty – Complete online [HERE](#)
3. Program/Schedule of Study – Once signed by advisor, return to [melhart@uark.edu](mailto:melhart@uark.edu) for remaining signatures and processing
  - a. [MSME](#) Form
  - b. [PhD](#) Form

Deadline: December 1

#### **Spring advising for Summer and Fall registration**

Meet with student and fill out the following forms:

1. Performance Survey by Student – Complete online [HERE](#)
2. Performance Survey by Faculty – Complete online [HERE](#)
3. Graduate Student Annual Review – Once signed by advisor, return to [melhart@uark.edu](mailto:melhart@uark.edu) for remaining signatures and processing
  - a. [MSME](#) Form
  - b. [PhD](#) Form

Deadline: May 1

### **GRADUATION CHECKLISTS**

Please following the step-by-step instructions listed [here](#) when planning for graduation. In addition, students must complete and submit the [Record of Progress](#) form.

Additional information about the required forms can be found in the [MEEG Graduate Manual](#).