

## Department of Mechanical Engineering

Unofficial Graduation Check – PhD Program (for students with a Masters degree)

Name (Last, First)

EMPL ID

Term / Year

Major Professor

Expected Graduation Date

### I. General Engineering & Advanced Mathematics

EML 5061 – Analysis in Mechanical Engineering II and one additional course from the approved course list below.

Course	T/Y	Grade
EML 5061 – Analysis in Mech. Eng. II		
EEL 5173 – Signal and System Analysis		
EEL 6502 – Digital Signal Processing I		
EGN 5456 – Computational Mechanics		
EML 5361 – Multivariable Control		
EML 5930 – Adaptive Controls		
EGM 5444 – Advanced Dynamics		
ESI 5408 – Applied Optimization		
ISC 5227 – Survey of Num. PDE's		
ISC 5315 – Applied Computational Sci. I		
ISC 5316 – Applied Computational Sci. II		

Course	T/Y	Grade
ISC 5936 – Num. Methods for SDE's		
ISC 5935 – Multi-scale Modeling		
MAA 4402 – Complex Variables		
MAD 5420 – Numerical Optimization		
MAD 5708 – Numerical Analysis II		
MAD 5738 – Num. Solution of PDE's I		
MAD 5739 – Num. Solution of PDE's II		
MAD 5745 – Spectral Methods for PDE's		
MAP 5207 – Optimization		
MAP 5217 – Calculus of Variations		
MAP 5336 – Qualitative Theory of ODE's		

Course	T/Y	Grade
MAP 5346 – Elementary PDE's II		
MAP 5423 – Complex Vars, Asymp. Exps		
MAP 5441 – Perturbation Theory		
MAP 5513 – Wave Propagation Theory		
MAS 4106 – Applied Linear Algebra II		
PHY 5515 – Thermal & Statistical Physics		
PHY 4523 – Statistical Physics		
STA 4202 – Design of Experiments I		
STA 5206 – Analysis of Variance & Design		
STA 5207 – Applied Regression Methods		

### II. Electives

Select 5 graduate-level courses in engineering, mathematics and/or any science discipline. **No DIS, Supervised Research (SR) or any other S/U graded course.**

Course	T/Y	Grade

### III. Preliminary Examination, Doctoral Residency & Professional Development Requirements

EML 8968 - Preliminary Examination. Checklist for additional requirements.

Course	T/Y	Grade
PIE Teaching Conference →		
Research Ethics Training (CITI) →		
EML 8968 – Preliminary Examination →		
Dissertation Committee Formation →		
Doctoral Residency Requirement (FSU) →		

Course	T/Y	Grade
Prospectus Defense →		
Supervised Teaching Experience →		
Graduate Seminar Presentation →		

### IV. Dissertation & Dissertation Defense

Twenty-four credit hours of EML 6980 - Dissertation (1-12). Register for EML 8985 - Dissertation Defense in final semester.

Course	Credits	T/Y	Grade
EML 6980 – Dissertation (1-12)			
EML 6980 – Dissertation (1-12)			

Course	Credits	T/Y	Grade
EML 6980 – Dissertation (1-12)			
EML 6980 – Dissertation (1-12)			

Course	Credits	T/Y	Grade
EML 6980 – Dissertation (1-12)			
EML 8985 - Dissertation Defense (0)			