

LAWRENCE TECHNOLOGICAL UNIVERSITY
COLLEGE OF ENGINEERING
Master of Science in Architectural Engineering

Name _____
 Student ID # _____ Date _____
164 Credits

Catalog of Entry 2016 – 2017

1A

- ALL COM 1103 English Composition _____
 - F, S COM 1001 University Seminar _____
 - ALL CHM 1213 University Chemistry 1 _____
 - ALL CHM 1221 University Chemistry Lab 1 _____
 - ALL MCS 1414 Calculus 1 _____
 - F EAE 1081 Intro to Architectural Engineering _____
 - F, S EGE 1001 Fundamentals of Eng. Design Project _____
- CREDITS = 14**

3A

- ALL SSC 2423 Development of the Amer. Experience _____
 - ALL COM 2103 Tech. & Prof. Communication _____
 - ALL PHY 2423 University Physics 2 _____
 - ALL PHY 2431 University Physics 2 Lab _____
 - ALL MCS 2414 Calculus 3 _____
- ALL ARC 1223 Visual Communications 2 _____
- CREDITS = 17**

3A

- ALL LLT 1223 World Masterpieces 2 _____
 - F, S ECE 3013 Mechanics of Materials for CE _____
 - F EAE 3113 Electrical Systems 1 (Lighting & Lab) _____
 - ALL EGE 3003 Thermodynamics _____
 - ALL MCS 3403 Probability & Statistics _____
 - ALL ARC 3843 BIM for Building Systems _____
- CREDITS = 18**

4A

- ALL LLT/SSC/PSY 3xx3 or 4xx3 Jr/Sr. Elective _____
 - F, S ECE 4743 Concrete Design _____
 - F EAE 4113 Electrical Systems 2 (Power & Lab) _____
 - F ECE 4243 Construction Project Management _____
 - F EAE 4016 AE Integrated Design Studio 2* _____
- CREDITS = 18**

5A

- F, Su ECE 5283 Conceptual Estimating _____
 - F EME 5373 Alternative Energy Engineering _____
 - F EME 5983 Geothermal Energy Engineering _____
 - F EAE 5113 Advanced Day/Lighting Systems _____
 - F EAE 5016 AE Integrated Design Studio^ 4 _____
- CREDITS = 18**

CREDIT SUMMARY

Total Architectural Engineering (EAE) Credit Hours	29
Total College of Engineering Credit Hours	40
Total College of Architecture & Design (ARC) Credit Hours	12
Total Co-Taught Engineering & Architecture Credit Hours	30
Total Arts & Sciences Credit Hours	53
TOTAL CREDIT HOURS (UG Credit Hours = 131, G Credit Hours=33)	164

Comments

1B

- SSC 2413 Foundations of the Amer. Experience _____ ALL
 - PHY 2413 University Physics 1 _____ ALL
 - PHY 2421 University Physics 1 Lab _____ ALL
 - MCS 1424 Calculus 2 _____ ALL
 - EAE 1093 Architectural Engineering History _____ F, S
 - ARC 1213 Visual Communications 1 _____ ALL
- CREDITS = 17**

3B

- LLT 1213 World Masterpieces 1 _____ ALL
 - EGE 2013 Statics _____ ALL
 - EEE 2123 Circuits & Electronics _____ ALL
 - MCS 2423 Differential Equations _____ ALL
 - EAE 1091 Directed Study _____ F
 - LDR 2001 Leadership Models & Practices _____ ALL
 - ARC 2843 BIM Fundamentals _____ ALL
- CREDITS = 17**

3B

- COM 3000 Writing Proficiency Exam _____ ALL
 - ECE 3723 Theory of Structures _____ F, S
 - EAE 3613 Mechanical Systems 1(HVAC Design) _____ S
 - EME 3123 Fluid Mechanics _____ ALL
 - LDR 3000 Leadership Seminar Series _____ F, S
 - EAE 3016 AE Integrated Design Studio 1 _____ S
- CREDITS = 15**

4B

- ECE 4753 Steel Design _____ S
 - EAE 4613 Mechanical Systems 2 (HVAC App.) _____ S
 - EAE 4623 Architectural Acoustics _____ S
 - LDR 4000 Leadership Capstone _____ ALL
 - EAE 4026 AE Integrated Design Studio*3 _____ S
- CREDITS = 15**

5B

- ECE 5703 Design of Timber Structures _____ S, Su
 - EAE 5623 Building Controls & Instrumentation _____ S
 - EAE 5123 Advanced Electrical Systems _____ S
 - EAE 5026 AE Integrated Design Studio^ 5 _____ S
- CREDITS = 15**

KEY:

Architectural Engineering Design Studio is abbreviated as AEIDS
 * Senior Design
 ^ Capstone
 F=Fall, S=Spring, Su=Summer, ALL=All Semesters

Surplus Electives
