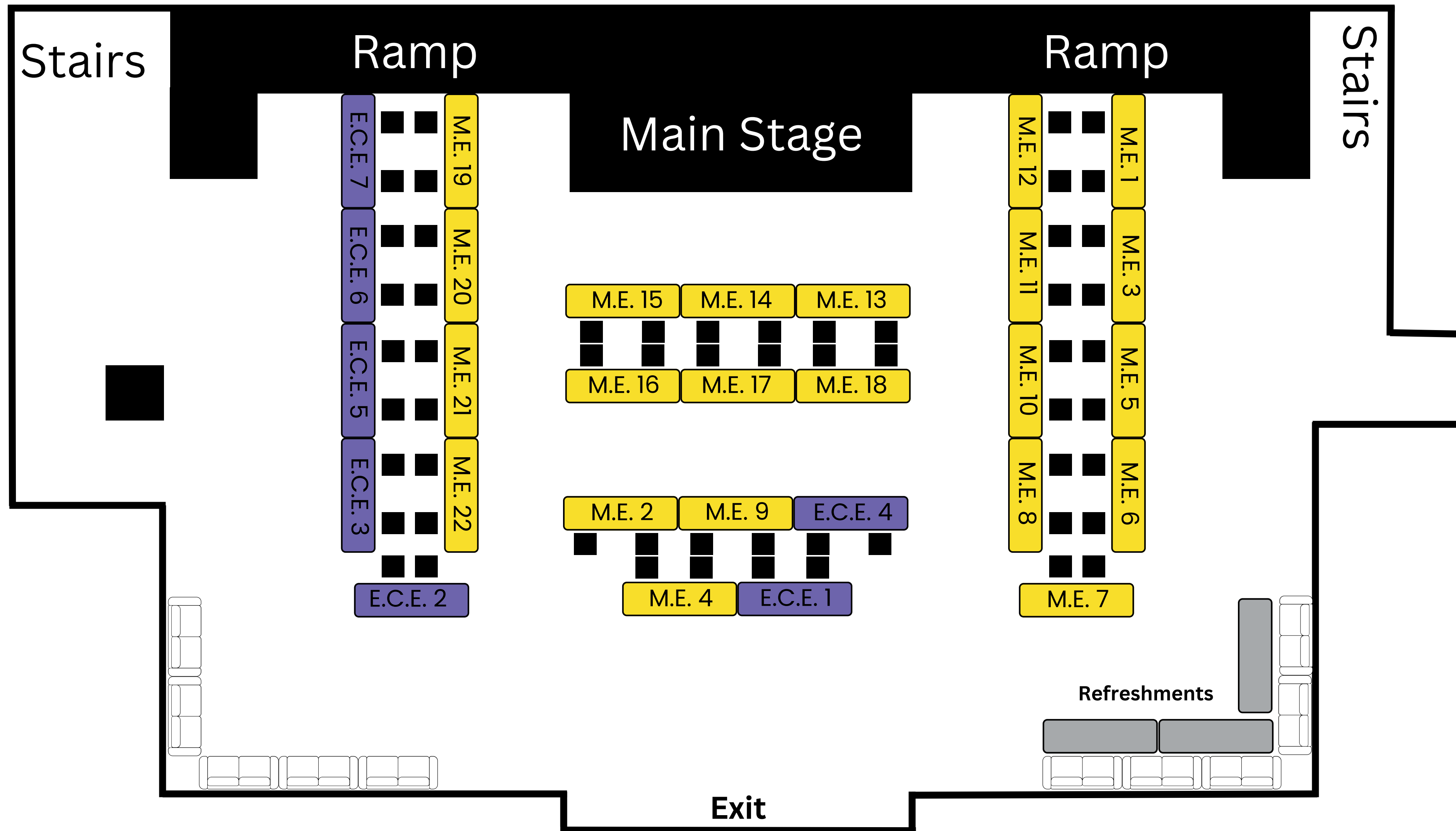


ATRIUM



Mechanical Engineering

- | | | |
|--------------------------------------|--|--|
| 1. Brown & Prescott Remodel Concepts | 8. Wiring Harness 2 | 15. Optimized Line Geomtery |
| 2. Intelligent Ground Vehicle Comp 1 | 9. Intelligent Ground Vehicle Comp 2 | 16. Heat Pump Defrost System |
| 3. JetCat Teststand | 10. Wood Floor Vibration | 17. Energy Usage Dashboard |
| 4. IEEE Robot Comp | 11. Knee Joint Motion System | 18. Control Panel Thermal Inspection Trainer |
| 5. JetCat Vectored Thrust | 12. Induction Heating | 19. JetCat Instrumentation |
| 6. Wiring Harness 2 | 13. Pep Truck Suspension | 20. Wire Connector Feed System |
| 7. JetCat Variable Nozzle Area | 14. Electric Element Surface Temperature | 21. Drop Testing System |
| | | 22. Wiring Harness 2 |

Electrical & Computer Engineering

- | | |
|----------------------------------|-----------------------------|
| 1. IEEE SoutheastCON Competition | 4. IGVC Competition |
| 2. Formula SAE Electric Car | 5. DARPA Challenge Drone |
| 3. Tennis Ball Collector | 6. Automated Cable Assembly |
| | 7. Lochinvar Fan Simulator |



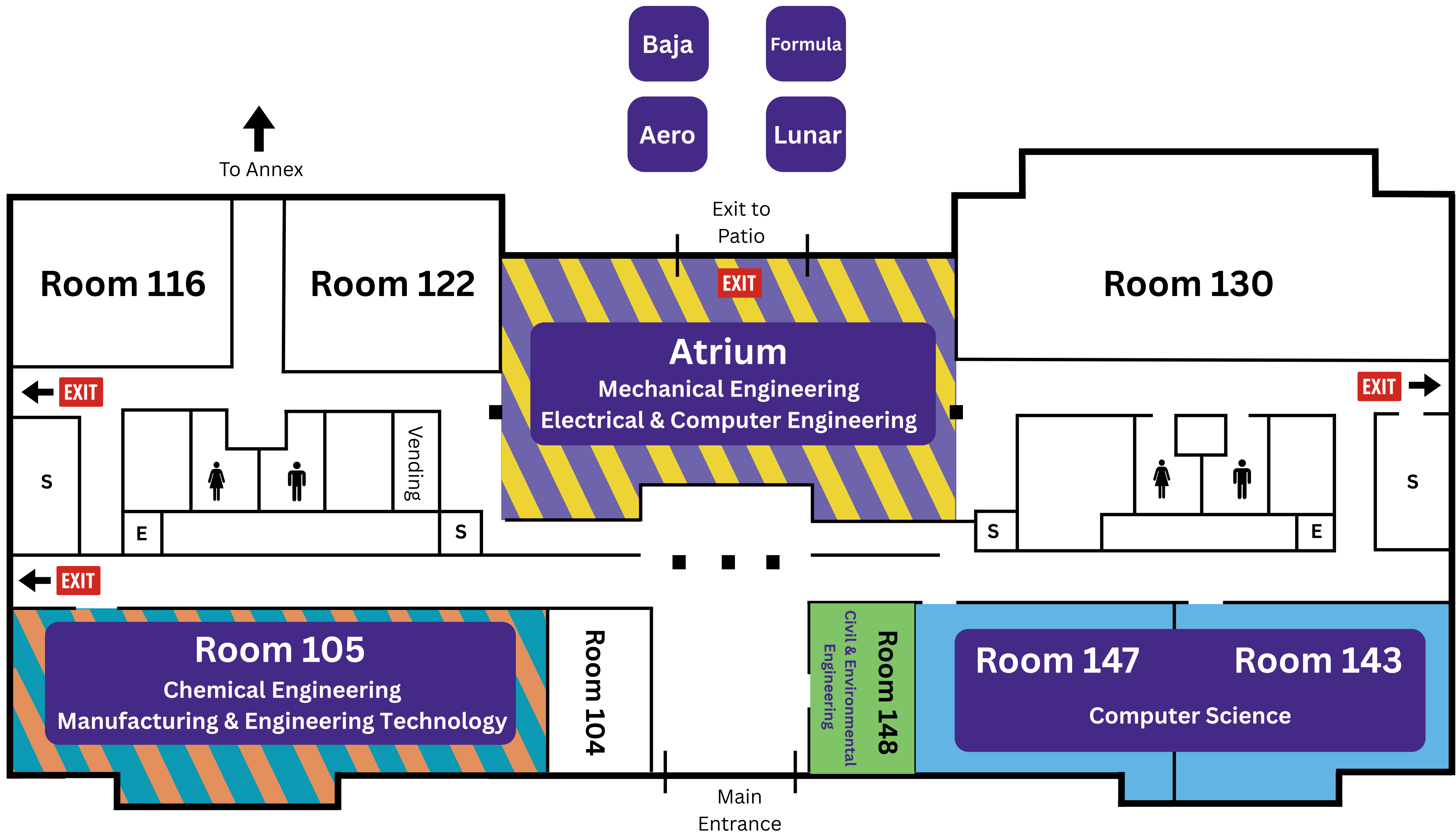
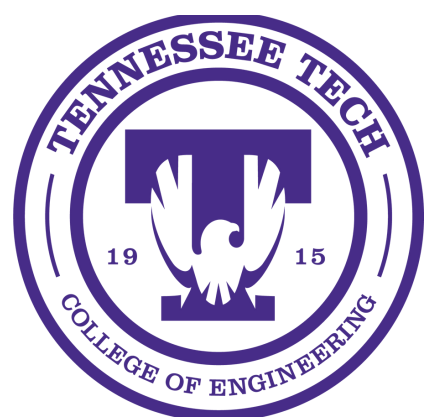
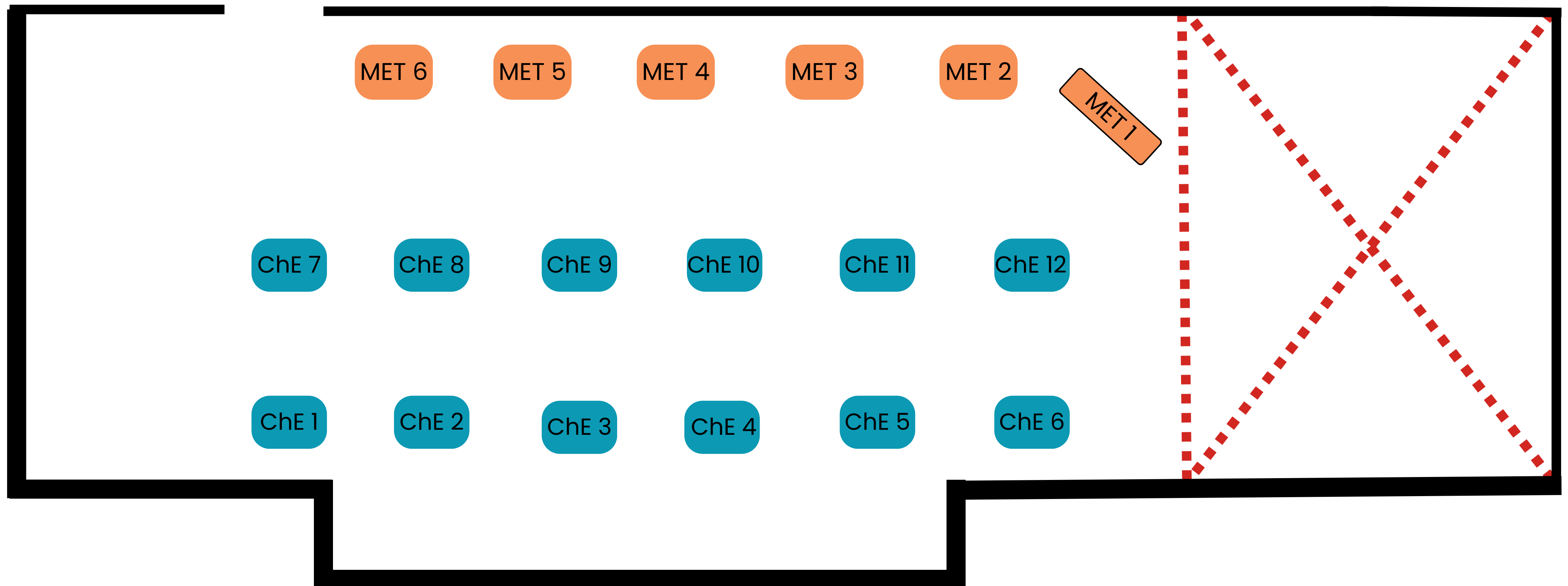


Table Color Key



	Computer Science		Manufacturing & Engineering Technology		Electrical & Computer Engineering
	Civil & Environmental Engineering		Chemical Engineering		Mechanical Engineering

ROOM 105



Manufacturing & Engineering Technology

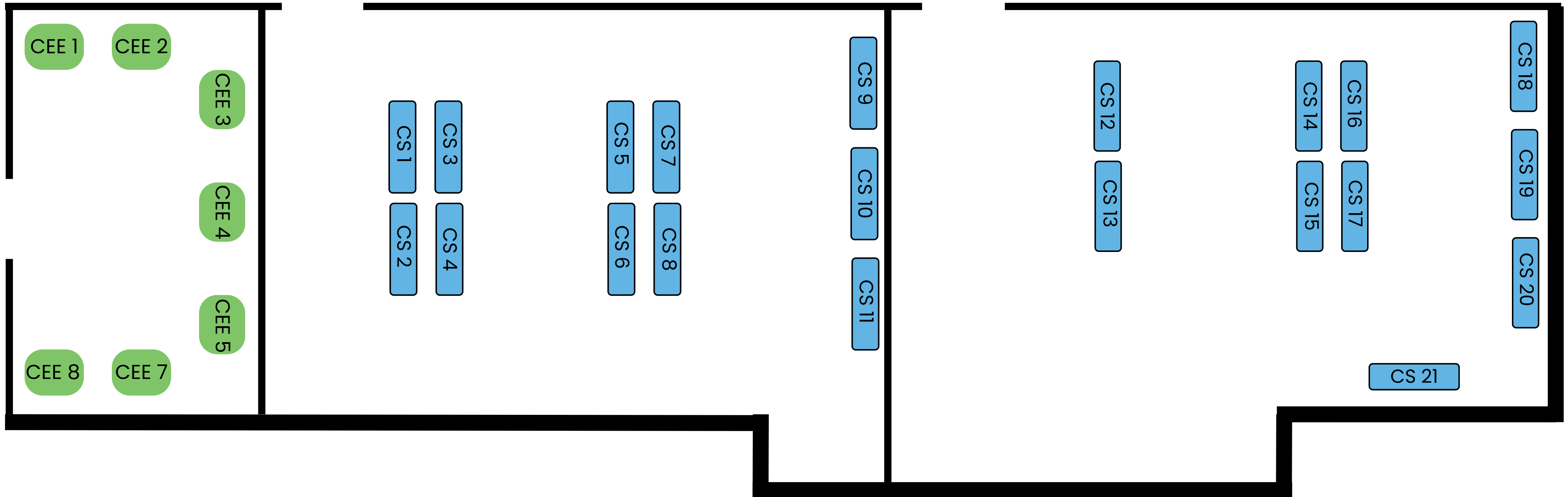
1. Implement to Improve Safety and Ergonomics when Loading Iron into an Induction Furnace
2. Accessible Needs Braille Campus Map
3. Optimizing Work-In-Progress Cart Design for Automotive Manufacturing Space Efficiency
4. DC Voltmeter Broadcast via Wi-Fi (Arduino Based)
5. Wifi Enabled Voltmeter Allowing Remote Access using a Raspberry Pi
6. Conversion of Traditional Foundry to Smart Foundry Using Low-Cost IoT Devices

Chemical Engineering

1. Blue Team
2. Team HM2S
3. Team OBS
4. Team JAMS
5. Team CEKTR
6. Methanol to Olefins Conversion
7. Process Pioneers
8. Team BHMN
9. The Ohmies
10. TEAM SARG
11. The Real Kidders
12. The CH4 Heads



ROOM 148, 147 & 143



Civil & Environmental Engineering

- 1. Benesch
- 2. Collier Engineering
- 3. HMB Professional Engineers
- 4. Jack Southard LLC and StructurePoint
- 5. LBYD Engineers
- 6. Mattern & Craig - Engineers and Surveyors
- 7. Tennessee Department of Transportation

Computer Science

- 1. Time Tracker and Analytics
- 2. Rental Deposit Refunder
- 3. TN State Chatbot
- 4. Murderous Matches - Mobile Game App
- 5. ML Utility Bill Reader
- 6. Image Training
- 7. Duck Data - Waterfowl Migration
- 8. Woolly World
- 9. Grocery Store Assistive Chatbot
- 10. Social Services Network and Management
- 11. Law Enforcement Management System
- 12. Customer Leads
- 13. Digital Wallet ID
- 14. Employee Project Tracking
- 15. EV Sales Dashboard
- 16. Logistics Management Dashboard
- 17. Mobile Device Inventory
- 18. Lubricant Product Configurator
- 19. Sports Mobile Application
- 20. Unmanned Vessel Simulation
- 21. Web Harness

Spring 2025 Senior Design Project by Department

Manufacturing & Engineering Technology

1. Implement to Improve Safety and Ergonomics when Loading Iron into an Induction Furnace
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