

MMR2022: CLASS LIST

Session Information

Session 1 = 8:00 - 8:30 am

Session 2 = 8:35 - 9:05 am

Refer to MAP for TOWER and ROOM location

NOTE: Some classes run continuously throughout BOTH sessions

CATEGORY	CLASS NAME	CLASS DESCRIPTION	SESSION	BLDG LOCATION	ROOM	PRESENTER	OTHER
Impact Award	The Impact Award: How to tell your story	We will review the requirements for the Impact Award and provide tips and techniques for how to approach your submission	1	A Tower Floor 2	A204	2220 Blue Twilight	Class ONLY offered in session # 1
Impact Award	Does your outreach support the United Nations SDGs?	The energy theme of the 2022-2023 season addresses global challenges related to the United Nations Sustainable Development Goal #7	2	A Tower Floor 2	A204	2220 Blue Twilight	Class ONLY offered in session # 2
3D Printing	Improved 3D Printing Using the Scientific Method	Discussion of the 3D printing process from CAD, to slicing, to print orientation, so students can make appropriate choices for the strength and appearance of their parts.	1	A Tower Floor 2	A205	2220 Blue Twilight	Class offered in BOTH session 1 & 2
3D Printing	Improved 3D Printing Using the Scientific Method	Discussion of the 3D printing process from CAD, to slicing, to print orientation, so students can make appropriate choices for the strength and appearance of their parts.	2	A Tower Floor 2	A205	2220 Blue Twilight	Class offered in BOTH session 1 & 2
Control Systems	FRC Pneumatics Overview	Pneumatics Overview. Understanding of components used and best practices.	1	A Tower Floor 2	A206	8516 Wired Up	Class ONLY offered in session # 1
Control Systems	FRC Controls Overview	Control System Overview. Get the full scoop of all electrical componets of the robot and best wiring practices.	2	A Tower Floor 2	A206	8516 Wired Up	Class ONLY offered in session # 2
Robot Reliability	FMEA	What is FMEA (Failure Mode/Effects Analysis)? Learn how your team can use it to create a process that will make your robot better through the season.	1	A Tower Floor 2	A208	4607 CIS	Class offered in BOTH session 1 & 2
Robot Reliability	FMEA	What is FMEA (Failure Mode/Effects Analysis)? Learn how your team can use it to create a process that will make your robot better through the season.	2	A Tower Floor 2	A208	4607 CIS	Class offered in BOTH session 1 & 2
Battery Best Practices	Understanding Batteries	Basics of lead acid battery health with data to characterize the effects of battery power based on battery cycling.	1	A Tower Floor 2	A209	2129 Ultraviolet	Class offered in BOTH session 1 & 2
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Programming	Introduction to Git	Get Git, Get your VS Code Organized. Introduction to Git - basic respository setup information.	1	A Tower Floor 2	A203	4607 CIS	Class ONLY offered in session # 1
Programming	Introduction to Command Base Programming Basics	The basics of Java programming using command base programming.	2	A Tower Floor 2	A203	4607 CIS	Class ONLY offered in session # 2
Strategy	Alliance Captain Tips and Tricks	What does an alliance captain need to have prepared?	1 & 2	A Tower Floor 2	A210	6045 Sabre Robotics	This class runs CONTINUOUSLY throughout both sessions
Mentors	Mentor Roundtable	Mentor discussion about topics of interest. Mark Lawrence to facilitate discussion.	1 & 2	Gym Tower Floor 2	G216	Mark Lawrence	This class runs CONTINUOUSLY throughout both sessions