



Engineering In Innovation

WVU Engineering Challenge Camps 2022

Tuesday

Time	Activity	Location	Instructor
8:30-9:00	Drop off / sign in	ESB Atrium & G39	Office Crew
9:00-9:45	Welcome, introduction & ice breaker	ESB 201	Counselors
9:45-10:15	Engineering 101	ESB 201	Counselors
10:15-11:00	Introduction to Engineering Challenge	ESB 201	Counselors
11:00-11:30	Tour Lane Innovation Hub	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
11:30-12:00	Introduction to Cargo Boat Challenge	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
12:00-12:30	Lunch	ESB G39 hallway	Office Crew
12:30-1:45	Industrial Engineering: Smart Manufacturing	G84 & G70	Dr. Thorsten Wuest and Graduate Assistants
1:45-2:45	Cargo Boat Challenge - planning	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
2:45-3:00	Snack Break	ESB G39 hallway	Counselors
3:00-5:00	Cargo Boat Challenge - planning & construction	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
5:00	Pick Up	ESB Atrium	Office Crew



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8:30-9:00	Drop off / sign in	ESB Atrium & G39	Office Crew
9:00-9:30	Ice Breaker	ESB 201	Counselors
9:30- 10:45	Cargo Boat Challenge	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
10:45-12:00	Tour Dr. Yu Gu's Interactive Robotics Laboratory / demonstration	AERB 222	Dr. Yu Gu & Counselors
12:00-12:45	Lunch w/ Dr. Gu's summer robotics students	ESB G39 hallway	Office Crew
12:45-2:45	WVU AI Club	ESB 239	Jacob Thrasher
2:45- 5:00	Cargo Boat Challenge	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
4:15-5:00	Cargo Boat Challenge: first round of testing	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
5:00	Pick Up	ESB Atrium	Office Crew



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Thursday

Time	Activity	Location	Instructor
8:30-9:00	Drop off / sign in	ESB Atrium	Office Crew
9:00-9:30	Ice Breaker	ESB 201	Counselors
9:30-10:00	Cargo Boat Challenge: prep for testing & travel to the Rec Center	Lane Innovation Hub (ESB)	Counselors & Lane Innovation Hub Staff
10:00-11:00	Cargo Boat Challenge: race	WVU Student Recreation Center	Counselors
11:00-12:00	Prepare oral presentation	ESB 239	Counselors
12:00-12:30	Lunch	ESB G39 hallway	Office Crew
12:30-3:00	Programming and flying drones	ESB Atrium	Dr. Guilherme Pereira
3:00-3:15	Snack time	ESB G39 hallway	Counselors
3:15-4:15	Oral Presentations	ESB G39	Counselors
4:15-5:00	Camp Awards	ESB G39	Counselors
5:00	Pick Up	ESB Atrium	Office Crew