UMass Turing Summer Program 2026
(Tentative)

	Jul-6	Jul-7	Jul-8	Jul-9	Jul-10
	Day 1	**Day 2**	**Day 3**	**Day 4**	**Day 5**
9:30 AM - 11:00 AM	**Student check-in** Program Intro Maker projects	**Lecture:** CAD design / 3D Scanning / 3D Printing	**Lecture**: Intro to Robotics	**Lecture**: Body Area Networks for Mobile Health	**Show and tell**: Computer and Network Hardware
11:00 AM - 12:00 PM	**Icebreaker in makerspace**	**Lab:** 3D Printing for project	**Lab Tour**: Human-Centered Robotics (HCR)	**Lab**: Sensor Data Exploration with Low Power Sensors	**Tour**: Datacenter / Server rooms visit
12:00 PM - 1:30 PM					
1:30 PM - 2:30 PM	**Lecture**: Introduction to CS	**Lab**: Getting Started with Python - Variables	**Lab**: Assembly of robots and DC Motors programming	**Lab**: If-else condition	**Lab**: Lists/Arrays/Sets
2:30 PM - 3:30 PM	**Lab:** Introduction to Computer Programming	**Lab**: Getting Started with Python - I/O			**Lab Makerspace**: Robot Line Tracking
3:30PM - 4:00 PM		**Lab**:Getting started with micro:bit		**Lab**: 5x5 LED display programming	

	Jul-13	Jul-14	Jul-15	Jul-16	Jul-17
	Day 1	**Day 2**	**Day 3**	**Day 4**	**Day 5**
9:30 AM - 11:00 AM	**Lecture/Lab**: Forensics	**Lecture/Lab**: Forensics	**Lecture/Lab**: Introduction to computer hardware (boolean logic, integrated circuits, fabrication)	**Lab**: Introduction to Cryptography **Scripted Lab**: Block Ciphers	AI and Gameplay
11:00 AM - 12:00 PM			**Lecture/Lab**: Introduction to hardware fingerprinting for privacy and authentication		
12:00 PM - 1:30 PM					
1:30 PM - 2:30 PM	**Lecture/Lab**: Forensics	**Makerspace:** Robot 3D / CAD lab	**Lecture**: Introduction to reverse engineering	**Lecture**: Embedded Security	**Lab Makerspace**: Team project
2:30 PM - 3:30 PM			**Movie:** The Imitation Game	**Program Tour**: ECE Labs **Lecture**: Women in Cryptography	
3:30PM - 4:00 PM	**Makerspace**: Robot Onboard buttons			**Lecture**: Future Topics in Cryptography	

	Jul-20	Jul-21	Jul-22	Jul-23	Jul-24
	Day 1	**Day 2**	**Day 3**	**Day 4**	**Day 5**
9:30 AM - 11:00 AM	**Lecture:** Energy and Sustainability 1	**Lecture**: Energy and Sustainability 2	**Lecture**: Wearable Systems for Healthcare	**Computers for Creativity:** Team Project	**Computers for Creativity:** Project Demo
11:00 AM - 12:00 PM	**Lecture**: Datacenters and AI		**Lab**: Health Care Sensing		
12:00 PM - 1:30 PM					
1:30 PM - 2:30 PM	**Show and Tell**: Machine Learning	**Lecture**: Transportation	**Makerspace:** Project time	**Computers for Creativity:** Student Team Project Presentation prep/Practice	**Student Hangout**: Fun and Games
2:30 PM - 3:30 PM	**Makerspace**: Team Project Brainstorming	**Makerspace:** Project time			
3:30PM - 4:00 PM				**Panel Session:** Life as a CS Undergraduate	**Program Debrief**