PURDUE UNIVERSITY | Office of Summer and Winter Sessions

Welcome to Purdue!

Entertainment Machine Design Challenge

July 5-17, 2026

Sunday, July 5	
3:00pm – 5:00pm	Check-in *Meredith South Residence Hall*
5:00pm – 5:15pm	Say "see you soon" to families *Parents will depart after student is checked in and **before** program orientation.*
5:15pm – 5:45pm	Program Orientation for **Understanding Research, Atoms at Work, Supply Chain and Business Analytics, and You Can't Make it Without Materials** *Meredith South Residence Hall – Multipurpose Room (off main lobby)*
5:45pm – 6:15pm	Program Orientation for **Maximizing Impact Through Engineering (MITE) and Entertainment Machine Design Challenge** *Meredith South Residence Hall – Multipurpose Room (off main lobby)*
5:45pm – 7:00pm	After Orientation for **Understanding Research, Atoms at Work, Supply Chain and Business Analytics, and You Can't Make it Without Materials:** Walk to dinner and eat with your peer mentor group *Wiley Dining Court*
6:15pm – 7:00pm	After Orientation for **Maximizing Impact Through Engineering (MITE) and Entertainment Machine Design Challenge:** Walk to dinner and eat with your peer mentor group *Wiley Dining Court*
7:00pm –10:00pm	Peer Mentor Group Activities/Free Time *Various Locations*
9:00pm – 10:00pm	Check-in for curfew by 9:30 pm *Meredith South Residence Hall – On your floor*

Monday, July 6	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #1 – What are Entertainment Machines and Introducing the Engineering Design Process? – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30 am – 11:45am	Class Session #2 – Project Scoping and Team Building – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *PAO South Lobby*
1:30pm – 2:45pm	Class Session #3 – Tour of Nancy T. Hansen Theatre – Rich Dionne *PAO South Lobby*
2:45pm – 3:00pm	Break/Walk to STEW G31
3:00pm – 4:30pm	Class Session #4 – Project Scoping and Design Specification – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors

5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Board Games, Video Games and All Class Social – Peer Mentors *Meredith South Lobby and Glass Conference Room*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Tuesday, July 7	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:30am	Class Session #5 – Project Scoping Review– Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #6 – Concept Design/Ideation – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #7 – Ideation: Brainstorming – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 430pm	Class Session #8 – Sketching and Dreaming – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Outdoor Games and Co-Rec Time – Peer Mentors *Intramural Field 3 and Co-Rec*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Wednesday, July 8	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #9 – Lo Fi Ideation for Proof of Concept – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #10 – Lo Fi Ideation for Proof of Concept (continued) – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #11 – Iteration and Decision Making – Rich Dionne *STEW G65*

2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #12 – Preliminary Analyses – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Movie Night and Crafts – Peer Mentors *Meredith South Lobby and Glass Conference Room*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Thursday, July 9	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #13 – Lo Fi Proof of Concept Revisions – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #14 – Lo Fi Proof of Concept Revisions continued – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #15 – Lo-Fi Proof of Concept Presentations – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #16 – Lo-Fi Proof of Concept: Ramping up to Prototype – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Fountain Runs – Peer Mentors *Start at Loeb Fountain*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Friday, July 10	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #17 – Prototype Testing: What to test? – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #18 – Prototype Testing: Design the test – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors

	Wiley Dining Court
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #19 – Prototype Testing: Building the Test Apparatus – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #20 – Prototype Testing: Building the Test Apparatus – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Peer Mentor Choice Activity – Peer Mentors *Various Locations*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Saturday, July 11	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Project work time *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:30am	Project Work Time STEW G65
11:30am – 11:45am	Walk to Lunch – Peer Mentors *Wiley Dining Court*
11:45am – 12:45pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
12:45pm – 1:00pm	Board vans and depart for Indianapolis Motor Speedway Museum *Wiley Dining Court*
2:00pm – 3:30pm	Indianapolis Motor Speedway Tour and Museum *Indianapolis Motor Speedway*
3:30pm – 3:45pm	Board vans and depart for West Lafayette
4:45pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Peer Mentor Choice Activity – Peer Mentors *Various Locations*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Sunday, July 12	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Project work time *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:30am	Project work time STEW G65

11:30am – 11:45am	Walk to Lunch – Peer Mentors *Wiley Dining Court*
11:45am – 12:45pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
12:45pm – 1:00pm	Walk to Class – Peer Mentors *Mallett Theatre, PAO*
1:00pm – 5:00pm	Murder Mystery Party *Mallett Theatre, PAO*
5:00pm – 5:10pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Peer Mentor Choice Activity – Peer Mentors *Various Locations*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Monday, July 13	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #21 –Prototype Construction – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #22 –Prototype Construction – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #23 –Prototype Construction – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #24 – Prototype Construction – Rich Dionne *STEW G65*
5:00pm – 5:10pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Board Games, Video Games and All Class Social – Peer Mentors *Meredith South Lobby and Glass Conference Room*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Tuesday, July 14	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #25 –Prototype Construction – Rich Dionne *STEW G65*

10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #26 –Prototype Construction – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #27 –Prototype Construction – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #28 – Prototype Construction – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Outdoor Games and Co-Rec Time – Peer Mentors *Intramural Field 3 and Co-Rec*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Wednesday, July 15	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #29 – Prototype Testing Round 1: Can we break it? – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #30 – Prototype Testing Round 1: Can you break it? (continued) – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #31 – Revising after Testing – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #32 – Revising after Testing – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Movie Night and Crafts – Peer Mentors *Meredith South Lobby and Glass Conference Room*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor*

Thursday, July 16	
7:00am – 8:15am	Breakfast *Wiley Dining Court*
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #33 – Revising after Testing – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45pm	Class Session #34 – Revising after Testing – Rich Dionne *STEW G65*
11:45am – 12:00pm	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors *Wiley Dining Court*
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 2:45pm	Class Session #35 – Revising after Testing – Rich Dionne *STEW G65*
2:45pm – 3:00pm	BREAK
3:00pm – 4:30pm	Class Session #36 – Revising after Testing – Rich Dionne *STEW G65*
4:30pm – 4:45pm	Walk to Dinner – Peer Mentors
5:00pm – 7:00pm	Dinner & Break – Peer Mentors *Wiley Dining Court*
7:00pm – 9:00pm	Fountain Runs – Peer Mentors *Start at Loeb Fountain*
9:00pm – 10:00pm	Course Work / Free Time / Check-in for curfew by 9:30 pm *Meredith South – On your floor* ***Plan to use a portion of this time to begin to pack your belongings.

Friday, July 17	
7:00am – 8:15am	Breakfast *Wiley Dining Court* ***Plan to use a portion of this time to check out of the residence hall and place your luggage in the **Meredith South Multipurpose Room** for storage while you finish sessions throughout the morning and afternoon. (The Meredith South Multipurpose Room is where you had orientation on Sunday evening.) **You will turn in your room key to Conference Services staff at this time.** **You will check out with Office of Summer and Winter Sessions staff before leaving campus.**
8:45am – 9:00am	Walk to Class – Peer Mentors *STEW G65*
9:00am – 10:15am	Class Session #37 – Final Prototype Presentations and Demonstrations – Rich Dionne *STEW G65*
10:15am – 10:30am	BREAK
10:30am – 11:45am	Class Session #38 – Final Prototype Presentations and Demonstrations – Rich Dionne *STEW G65*
11:45am – 12:00om	Walk to Lunch – Peer Mentors *Wiley Dining Court*
12:00pm – 1:15pm	Lunch & Break – Peer Mentors

	Wiley Dining Court
1:15pm – 1:30pm	Walk to Class – Peer Mentors *STEW G65*
1:30pm – 3:00pm	Class Session #3 – Course Wrap up – Rich Dionne *STEW G65*
3:00pm – 3:10pm	Walk to Check out– Peer Mentors
After 3:00pm	*** Retrieve belongings from luggage storage (**Meredith South Multipurpose Room**), check out with Office of Summer and Winter Sessions staff, and depart campus no later than 5:00pm