

1200 W. Algonquin Rd. | Palatine, IL 60067

Schedule-at-a-Glance

Workshop training will be led by Kurt Billsten, Harper's Program Coordinator for Advanced Mfg., and Darrin Bax, Adjunct Faculty. Industry professionals will also present, bringing real-life issues and solutions to targeted subjects. Would you like to get involved? Contact <u>Ann Schneider</u> at **815-227-8220** to showcase your company's expertise and equipment on these topics.

Monday, July 18	Торіс	Featured Speaker
2 – 2:30 p.m.	Welcome – Harper College overview	Kurt Billsten, Program Coordinator
2:30 – 3:15 p.m.	General course overview	
3:15 – 4:30 p.m.	Harper Lab Safety	Darrin Bax, Adjunct Faculty Harper College
4:30 p.m.	Break	
4:45 – 6:45 p.m.	Cutting – shears, plasma, oxyfuel Training sessions can include classroom instruction, machine demonstrations, insight from industry professionals, and hands-on practice time.	
6:45 – 7 p.m.	Wrap-up	

Tuesday, July 19	Торіс	Featured Speaker
8 – 8:15 a.m.	Morning introductions	
8:15 – 10 a.m.	Cutting – laser	David Kloos, Training Supervisor
10 a.m.	Break	
10: 15 – 12 p.m.	Cutting – punchpress, turret press	
12 – 1 p.m.	Lunch (onsite lunch provided)	
1 – 3:45 p.m.	Forming with the Press Brake – session 1	
3:45 p.m.	Break	
4 – 6:45 p.m.	Forming with the Press Brake – session 2	
6:45 – 7 p.m.	Wrap-up - Formal instruction concludes at 7 p.m.	
7 – 9 p.m.	OPTIONAL OVERTIME - With supervision from Harper faculty, the FMA Metal Fabrication Lab will be open until 9 p.m. for additional hands-on practice.	Harper faculty

Workshop Schedule-at-a-Glance p2

Wed., July 20	Торіс	Featured Speaker
8 – 8:15 a.m.	Morning introductions	
8:15 – 9 a.m.	Metallurgy	
9 – 10 a.m.	Coatings	
10 a.m.	Break	
10: 15 – 12 p.m.	Forming – tube & pipe	Carl Middelegge, President Technical Tool Solutions
12 – 1 p.m.	Lunch (onsite lunch provided)	
1 – 3:45 p.m.	Forming – ring roll	
3:45 p.m.	Break	
4 – 6:45 p.m.	Forming – plate roll, iron workers	
6:45 – 7 p.m.	Wrap-up - Formal instruction concludes at 7 p.m.	
7 – 9 p.m.	OPTIONAL OVERTIME	Harper faculty

Thursday, July 21	Торіс	Featured Speaker
8 – 8:15 a.m.	Morning introductions	
8:15 – 10 a.m.	Welding & Joining – general introduction	
10 a.m.	Break	
10: 15 – 11 p.m.	Quality – ISO, Lean & other concepts	
11 – 12 p.m.	Quality – Metrology	David Lodge, Partner Manager
12 – 1 p.m.	Lunch (onsite lunch provided)	
1 – 2 p.m.	Laser Templating	David Lodge, Partner Manager
2 – 3:45 p.m.	Welding & Joining – MiG, TIG, orbital welding	Darrin Bax WISCO
3:45 p.m.	Break	
4 – 6:45 p.m.	Welding & Joining – robotic, stud/resistance, rivets & Pimco fasteners	
6:45 – 7 p.m.	Wrap-up - Formal instruction concludes at 7 p.m.	
7 – 9 p.m.	OPTIONAL OVERTIME	Harper faculty

Friday, July 22	Торіс	Featured Speaker
8 – 8:15 a.m.	Morning introductions	Harper faculty
8:15 – 9 a.m.	Course recap / final questions	Harper faculty
9 - 10 a.m.	Participants have the option of taking FMA's	Harper faculty
	Fundamentals of Metal Fabrication certificate exam.	
until 1 p.m.	FINAL SHOP TIME - With supervision from Harper faculty,	Harper faculty
	the FMA Metal Fabrication Lab will be open until 1 p.m.	
	for additional hands-on practice.	

*Schedule is preliminary. Topic placement and speakers are subject to change.