



BLOCKMAKERS WORKSHOPS® 2024

Concrete Masonry Technology

8–12 January
16–20 September

Concrete Masonry Technology covers all aspects of manufacturing concrete products. Knowledge gained within this course will result in an immediate impact on your operations. In an easy-to-follow format, the class begins with raw material components (cement, water, aggregate, admixtures, and pigment), and progresses through hands-on aggregate sieve analysis, multi-aggregate blending, mix designs, manufacture of product, and curing fundamentals. Upon completion of the class, students will have a working understanding of all aspects of raw materials, mixing sequence, mix designs, and curing to apply upon return to their facilities. Price: US \$1150

Advanced Concrete Masonry Technology*

15–19 April

Advanced CMT is a more in-depth, conversational, hands-on look at best practices for mix designs, batching sequence, quality control (QC/QA) and product testing. Group discussions, coupled with hands-on production and testing, cover advanced issues such as Bill of Materials (BOMs), moisture compensation, and the effect of mix moisture, gradations, cement content, curing, and color load on unit strength and color. All machine types are covered such as cam, Servopac®, and competitive equipment (plate vibration/large pallet). Pertinent ASTM specifications for specialty products, recycled materials, and their use in our industry are discussed. This class is ideal for concrete technicians, quality control personnel and advanced machine operators. Price: US \$1150

Executive Session

16–18 July

Tailored to upper management, the Executive Session is a condensed version of the Concrete Masonry Technology and Vibrapac® Blockmakers Workshops®. Roundtable discussions with industry executives and professionals focus on new products, programs, and current issues. Price: US \$850

Note: the Executive Session does not qualify for Master Blockmaker certification.

Electronic Controls*

4–8 March
7–11 October

The Electronic Controls course includes an in-depth study of electrical wiring and programmable logic controllers. Applications and troubleshooting for Allen-Bradley programmable controllers are studied. Practical applications and troubleshooting will be covered on concrete products machines, Multi-Spade Besser-Matic loader/unloaders, and cubers. Price: US \$1150

Vibrapac®

15–19 January
23–27 September

The Vibrapac® concrete products machines course is a hands-on study of the proper machine adjustments, electronics, and electrical schematic print reading of the V3 Vibrapac® concrete products machines. Students are given troubleshooting problems as a practical application of these topics. Price: US \$1150

Advanced Vibrapac®*

8–12 April

The Advanced Vibrapac® course involves extensive mechanical and electrical hands-on training for practical application in concrete products production. Students are required to adjust a concrete products machine to low height and to manufacture concrete products during class. The electrical segments cover Allen-Bradley programmable controllers with concentration on schematic print reading and ladder logic diagnostics. Price: US \$1150

Product Handling & Curing

14–18 October

The Product Handling & Curing course covers all aspects of the handling, once product has been manufactured. Adjustments, schematic print reading, and solid-state circuitry is covered for: E-Model & Multi-Spade Besser-Matic loaders/unloaders, LSC & PTS handling systems, curing systems, depalleters, turnovers and splitters, and both semi and fully automatic cubers. The curing session will give students an understanding of why we cure product and the benefits of proper curing fundamentals. Price: US \$1150

**Become a Master Blockmaker®
by completing 5 Blockmakers Workshops**

Note: Beginning on 1 January 2024 all Master Blockmaker applicants will be required to demonstrate competency in skills obtained from Blockmaker courses. This will be done during the last day of the fifth eligible course.



**BLOCKMAKERS
WORKSHOPS**



750 Woodward Avenue, Alpena, MI 49707 USA

Register online at wcct.net

*Prerequisite required for these courses:
Advanced CMT — CMT required
Advanced Vibrapac® — Vibrapac® required
Electronic Controls — Vibrapac® or Product Handling



BLOCKMAKERS WORKSHOPS® 2024

JANUARY

SUN	MON	TUE	WED	THR	FRI	SAT
	1	2	3	4	5	6
7	Concrete Masonry Technology					13
14	Vibrapac®					20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

SUN	MON	TUE	WED	THR	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

MARCH

SUN	MON	TUE	WED	THR	FRI	SAT
					1	2
3	4	Electronic Controls			8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	31	25	26	27	28	29
						30

APRIL

SUN	MON	TUE	WED	THR	FRI	SAT
	1	2	3	4	5	6
7	Advanced Vibrapac®					13
14	Advanced Concrete Masonry Technology					20
21	22	23	24	25	26	27
28	29	30				

MAY

SUN	MON	TUE	WED	THR	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

SUN	MON	TUE	WED	THR	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	30	24	25	26	27	28
						29

JULY

SUN	MON	TUE	WED	THR	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	Executive Session			19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

SUN	MON	TUE	WED	THR	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

SUN	MON	TUE	WED	THR	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	Concrete Masonry Technology				20	21
22	Vibrapac®				27	28
29	30					

OCTOBER

SUN	MON	TUE	WED	THR	FRI	SAT
		1	2	3	4	5
6	Electronic Controls					12
13	Product Handling & Curing					19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

SUN	MON	TUE	WED	THR	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

SUN	MON	TUE	WED	THR	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



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