



Advanced Concrete Masonry Technology*

27 February-3 March

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 and 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 strength and unit color. All machine types will be covered such as cam, Servopac®, and competitive equipment (plate vibration/large pallet equipment). We will cover pertinent ASTM specifications for specialty products, recycled materials, and their use in our industry. This class is well suited for concrete technicians, quality personnel or advanced machine operators. Price: US \$1150

Advanced Vibrapac®*

13-17 March

The Advanced Vibrapac® course provides more extensive hands-on work for practical application in concrete products production, both mechanical and electrical. Students are required to adjust a concrete products machine to low height and to manufacture concrete products in class. Electrical sessions cover Allen-Bradley programmable controllers. Greater concentration is applied to schematic print reading and ladder logic diagnosis. Price: US \$1150

Concrete Masonry Technology

**30 January-3 February
18-22 September**

Concrete Masonry Technology covers all aspects of manufacturing concrete products. Knowledge gained within this course will produce an immediate impact in your operations. In an easy-to-follow structured format, the class covers raw material components (cement, water, aggregate, admixtures, and pigment), 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 champion this knowledge when they return to their facilities. Price: US \$1150

Electronic Controls*

**20-24 March
16-20 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

Executive Session

18-20 July

The Executive Session is a condensed version of the Concrete Masonry Technology and Vibrapac® Blockmakers Workshops® tailored to upper management. New products, programs, and current issues are also discussed in a roundtable format with industry executives and professionals. Price: US \$850
Note: the Executive Session does not qualify for Master Blockmaker certification.

Vibrapac®

**6-10 February
9-13 October**

The Vibrapac® concrete products machine 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

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

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



JANUARY

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	Concrete Masonry Technology					

FEBRUARY

SUN	MON	TUE	WED	THR	FRI	SAT	
	Concrete Masonry Technology			1	2	3	4
5	Vibrapac®			8	9	10	11
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	Advanced Concrete Masonry Technology						

MARCH

SUN	MON	TUE	WED	THR	FRI	SAT	
	Advanced Concrete Masonry Technology			1	2	3	4
5	6	7	8	9	10	11	
12	Advanced Vibrapac®			15	16	17	18
19	Electronic Controls			22	23	24	25
26	27	28	29	30	31		

APRIL

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

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	24
25	26	27	28	29	30	

JULY

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

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	16
17	Concrete Masonry Technology			21	22	23
24	25	26	27	28	29	30

OCTOBER

SUN	MON	TUE	WED	THR	FRI	SAT
1	2	3	4	5	6	7
8	Vibrapac®			12	13	14
15	Electronic Controls			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	31	25	26	27	28	29	30

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