

DRAFT
DMACC
Environmental Technical Programs
Water Treatment Operations

DRAFT Water Treatment AAS Degree DRAFT

Term 1	Fall	Credits	
MAT 772	Applied Math or higher level	3	
MFG 276	Hand and Bench Machine Tools	1	
ELT 303	Principles of Electricity	3	
MFG 121	Machine Trade Print Reading	2	
CON 336	Care/Use of Hand/Power Tools	1	
IND 146	Mechanical Power Transmission	3	
COM 703	Communication Skills or Higher level	3	16
Term 2	Spring		
ELT 134	Motor Controls	3	
ELT 793	Hydraulics and Pneumatics	3	
ELT 792	Hydraulics and Pneumatics Lab	2	
IND 144	Pump Overhaul and Repair	4	
MAT 773	Applied Math II or higher level	3	15
Term 3	Summer		
ELE 141	Advanced Motor Controls	3	
BMA 177	Industrial Plumbing and Pipefitting	3	
MGT 164	Total Quality Management	3	9
Term 4	Fall		
MFG 172	Related Welding-Industrial Maintenance	3	
ELT 119	Programmable Logic Controllers	3	
MGT 145	Human Relations in Business	3	
MFG 524	PM &Diagnosing Mech/Electrical Systems	3	
WAT 304	Water Treatment I	4	16
Term 5	Spring		
WAT 305	Water Distribution Systems	4	
WAT 300	Water Analysis	3	
WAT 312	Water Treatment II	4	

ENV 115	Environmental Science	3	14
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Term 6 Summer

WAT 392	Internship	3	3
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Total Credits			73
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DRAFT Wastewater Treatment AAS Degree DRAFT

Term 1	Fall	Credits	
MAT 772	Applied Math	3	
MFG 276	Hand and Bench Machine Tools	1	
ELT 303	Principles of Electricity	3	
MFG 121	Machine Trade Print Reading	2	
CON 336	Care/Use of Hand/Power Tools	1	
IND 146	Mechanical Power Transmission	3	
COM 703	Communication Skills	3	16

Term 2	Spring		
ELT 134	Motor Controls	3	
ELT 793	Hydraulics and Pneumatics	3	
ELT 792	Hydraulics and Pneumatics Lab	2	
IND 144	Pump Overhaul and Repair	4	
MAT 773	Applied Math II	3	15

Term 3	Summer		
ELE 141	Advanced Motor Controls	3	
BMA 177	Industrial Plumbing and Pipefitting	3	
MGT 164	Total Quality Management	3	9

Term 4	Fall		
MFG 172	Related Welding-Industrial Maintenance	3	
ELT 119	Programmable Logic Controllers	3	
MGT 145	Human Relations in Business	3	
MFG 524	PM & Diagnosing Mech/Electrical Systems	3	
WAT 304	Wastewater Treatment I	4	16

Term 5	Spring		
WAT 307	Wastewater Collection Systems	4	
WAT 308	Wastewater Analysis	3	
WAT 311	Wastewater Treatment II	4	

ENV 115	Environmental Science	3	14
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Term 6 Summer

WAT 210	Wastewater Treatment: Industrial	4	
WAT 392	Internship	3	7
		Total Credits 77	

DRAFT Water and Wastewater Treatment Diploma Option DRAFT

Term 1		Credits	
MAT 772	Applied Math or higher level	3	
COM 703	Communication Skills or Higher level	3	
IND 144	Pump Overhaul and Repair	4	
WAT 304	Water Treatment I	4	14

Term 2			
WAT 305	Water Distribution Systems	4	
WAT 300	Water Analysis	3	
WAT 312	Water Treatment II	4	
WAT 304	Wastewater Treatment I	4	17

Term 5			
WAT 307	Wastewater Collection Systems	4	
WAT 311	Wastewater Treatment II	4	
ENV 115	Environmental Science	3	11

Term 6			
WAT 392	Internship	3	3
Total Credits		45	

DRAFTWater Treatment Certificate of Specialization**DRAFT**

WAT 304	Water Treatment I	4
WAT 305	Water Distribution Systems	4
WAT 300	Water Analysis	3
WAT 312	Water Treatment II	4
ENV 115	Environmental Science	3
	Total Credits	18

DRAFT Wastewater Treatment Certificate of Specialization DRAFT

WAT 304	Wastewater Treatment I	4
WAT 307	Wastewater Collection Systems	4
WAT 308	Wastewater Analysis	3
WAT 311	Wastewater Treatment II	4
ENV 115	Environmental Science	3
	Total Credits	18