



ENGINEERING TECHNOLOGY

ONE-YEAR CERTIFICATE OF COMPETENCY

EH&S TECHNOLOGY PROGRAM ***WATER OPERATIONS TRACK***

TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year				
ENV163	Water / Wastewater Math & Chemistry	2					
ENV127	Water Certification Examination Preparation	2					
ENV129	Water / Wastewater – Permits & Administration ¹	1					
ENV130	Pumps, Maintenance & Safety ¹	3					
ENV136	Water Treatment I ¹	4					
ENV137	Water Treatment II ¹	4					
ENV138	Water Distribution Systems ¹	4					
ENV139	Water Analysis ¹	3					
TOTAL		23					
Select at least 4 credit hours from the following TECHNICAL ELECTIVES:							
TECHNICAL ELECTIVES Course Number	Course Title	Credits	Completed Sem./Year	TECHNICAL ELECTIVES Course Number	Course Title	Credits	Completed Sem./Year
ENV128	Wastewater Cert. Exam Prep	2		ENV149	Storage Systems ¹	1	
ENV131	Wastewater Treatment I ¹	4		ENV150	System Disinfection ¹	1	
ENV132	Wastewater Treatment II ¹	4		ENV151	System O&M ¹	1	
ENV133	Wastewater Treatment – Indust. ¹	4		ENV152	System Safety ¹	1	
ENV134	Wastewater Collection Systems ¹	4		ENV153	Valves, Mains & Meters ¹	1	
ENV135	Wastewater Analysis ¹	3		ENV154	Water Mains ¹	1	
ENV140	Coagulation & Flocculation ¹	1		ENV155	Water Quality ¹	1	
ENV141	Disinfection ¹	1		ENV156	Disinfection & Chlorination ¹	1	
ENV142	Filtration ¹	1		ENV157	Fixed Film Process ¹	1	
ENV143	Fluoridation ¹	1		ENV158	Pollution Control ¹	1	
ENV144	Iron & Manganese ¹	1		ENV159	Pond Systems ¹	1	
ENV145	Quality ¹	1		ENV160	Preliminary Treatment ¹	1	
ENV146	Sedimentation ¹	1		ENV161	Primary Treatment ¹	1	
ENV147	Water Sources & Treatment ¹	1		ENV162	Suspended Growth Systems ¹	1	
ENV148	Distribution Facilities ¹	1					
NON-TECHNICAL Course Number	Course Title	Credits	Completed Sem./Year				
TOTAL		0					
TOTAL CREDIT HOURS		27					

EH&S ONE-YEAR CERTIFICATE OF COMPETENCE

<u>Summer</u>		<u>Credit Hours</u>	<u>Prerequisite</u>
ENV163	Water / Wastewater Math & Chemistry	2	
		2	
 <u>Semester I</u>			
ENV129	Water / Wastewater – Permits & Administration ¹	1	
ENV136	Water Treatment I ¹	4	ENV163
ENV130	Pumps, Maintenance & Safety ¹	3	ENV163
	Technical Elective(s) ¹	2	
		10	
 <u>Semester II</u>			
ENV137	Water Treatment II ¹	4	ENV136, ENV163
ENV138	Water Distribution Systems ¹	4	ENV163
ENV139	Water Analysis ¹	3	ENV163
ENV127	Water Certification Examination Preparation	2	
	Technical Elective(s) ¹	2	
		15	

1. These are 100% internet-based training courses (Web Level 3).

NOTE: Individual course certificates of completion (with contact hours) will be issued upon successful course completion.