

- 1 **Water Training Institute (WTI) Degree Program**
 - Associate Degree in Water Resource Management
 - Housed in WKU's Ogden College of Science & Engineering
 - Architectural & Manufacturing Sciences Department
 - 60 Hours of Academic Credit
 - 15 Hours – General Education
 - 21 Hours – Science Core
 - 24 Hours – Concentration Specific: 3 Tracks
 - Water Operations
 - Wastewater Operations
 - Water Utility Management
- 2 **WRM General Education**
 - 15 Hours
 - ENGL100C/ENG100: Intro to College Writing (3 hours)
 - POLS110C/PS110: American National Government (3 hours)
 - MA116C/MATH116: College Algebra (3 hours)
 - Category B: Humanities Elective (3 hours)
 - Category C: Social & Behavioral Science Elective (3 hours)
- 3 **WRM Science Core**
 - 21 Hours
 - BIO113C/BIOL113: General Biology (3 hours)
 - BIO207C/BIOL207: General Microbiology (3 hours)
 - CHM101C/CHEM101: Intro to Chemistry (3 hours)
 - GEO100C/GEOL100: Intro to Physical Environment (3 hours)
 - PHYS101: Concepts of Motion (3 hours)
 - MA117C/MATH117: Trigonometry (3 hours)
 - ENV280: Intro to Environmental Science (3 hours)
- 4 **Concentration: Drinking Water Operations**
 - Drinking Water Operations: WRTE (24 hours)
 - WTTI200: Water Supply & Wastewater Control (3 hours)
 - WTTI212: Water Distribution & Wastewater Collection (3 hours)
 - WTTI222: Water & Wastewater Instrumentation & Control (3 hours)
 - WTTI226: Water Chemistry (3 hours)
 - WTTI210: Intro to Water Treatment Processes (3 hours)
 - WTTI220: Calculations & Hydraulics for Water (3 hours)
 - WTTI230: Advanced Water Treatment Processes (3 hours)
 - WTTI291: Internship in Utility Operations (3 hours)
- 5 **Concentration: Wastewater Operations**
 - Wastewater Operations: WRWT (24 hours)
 - WTTI200: Water Supply & Wastewater Control (3 hours)
 - WTTI212: Water Distribution & Wastewater Collection (3 hours)
 - WTTI222: Water & Wastewater Instrumentation & Control (3 hours)
 - WTTI226: Water Chemistry (3 hours)
 - WTTI211: Intro to Wastewater Treatment (3 hours)
 - WTTI221: Calculations & Hydraulics for Wastewater & Stormwater (3 hours)
 - WTTI231: Advanced Wastewater Treatment Processes (3 hours)
 - WTTI291: Internship in Utility Operations (3 hours)

6 **Concentration: Utility Management**

- Water Utility Management: WRUM (24 hours)
- WTTI200: Water Supply & Wastewater Control (3 hours)
- UM101: Water Utilities Management (3 hours)
- UM205: Water Utility Organization, Regulation, & Law (3 hours)
- UM215: Water Utility Finance and Administration (3 hours)
- UM225: Human Resource Management for Water Utilities (3 hours)
- UM235: Water Utility Management and Human Relations (3 hours)
- UM245: Modern Technology & Water Utility Management (3 hours)
- UM290: Internship in Utility Management (3 hours)