

**COLLEGE:** Sinclair Community College-MVTP Consortium

**CLUSTER:** ScienceTech,Engineering&Mathematics



**HIGH SCHOOL(S):** Centerville High School

**PATHWAY:** Environmental Technology

Miamisburg High School

**PROGRAM:** Environmental Engineering Technology

Miami Valley Career Tech Center

2009-2010

Associate of Applied Science - 101 SCC Credit Hours



ADULT LEARNER ENTRY POINTS

| GRADE  | ENGLISH  | MATH                                      | SCIENCE  | SOCIAL STUDIES                            | REQUIRED COURSES  |  |   |              |  |  |
|--|--|---|--|---|---|--|---|--------------|--|--|
|  |  |   |  |   | RECOMMENDED ELECTIVE COURSES  |  | OTHER ELECTIVE COURSES                            |              |  |  |
| CAREER AND TECHNICAL EDUCATION COURSES   |  |   |  |   |   |  |   |              |  |  |
| SECONDARY  | 9  | English I (1)                             | Integrated Algebra & Geometry or Algebra I (1) | Physical Science (1)                      | Social Studies (1)  | Health (.5)<br>E (.5)                          | P<br>Career Exploration integrated with English 9 | Elective (1) |  |  |
|  | 10   | English II (1)                            | Geometry or Algebra II (1)                     | Biology (1)                               | American History (1)  | Introduction to Engineering Design (1)         | ■Technology Word & Excel (.5)<br>Art (.5)         | Elective (1) |  |  |
|  | 11   | English III (1)                           | Algebra II or Trigonometry (1)                 | Conceptual Physics/Physics I (1)          | American Govt.5<br>Social Studies<br>Elective (.5)  | College Tech Prep Environmental Technology (1) | College Tech Prep Environmental Technology (1)    | P E (.5)     |  |  |
|  | In 11th grade, assess for college readiness by administering the "ACCUPLACER TEST" (Reading, Math and Writing) |   |  |   |   |  |   |              |  |  |
|  | 12   | English IV (1)                            | Integrated College Math or Calculus (1)        | Chemistry (1)                             | ■Human Biology Bio107 (5)   | College Tech Prep Environmental Technology (1) | College Tech Prep Environmental Technology (1)    | Elective (1) |  |  |
| Mandatory College Placement Assessment (Reading, Math and Writing), Sinclair Academic Advising # + State O.G.T.Requirement M   |  |   |  |   |   |  |   |              |  |  |
| POSTSECONDARY  | 1st Quarter  | ◆Per.Computer Application/Engr ETD198 (2) | ●Technical Mathematics I MAT131 (5)            | ■Human Biology BIO107/108 (5)             | Envt. Assessment & Analysis ETD150 (4)  |  |   |              |  |  |
|  | 2nd Quarter  | ●English Comp I ENG111 (3)                | ●Technical Mathematics II MAT132 (5)           | ●General Chem I CHE151/157 (5)            | Water Treatment Analysis ETD155 (4)   |  |   |              |  |  |
|  | 3rd Quarter  | ●English Comp II ENG112 (3)               | ●Technical Mathematics III Mat133 (5)          | ●General Chem II CHE152/158 (5)           | College Physics I PHY141 (4)  | Adv Analytical Tools for Engr. ETD261 (2)      |   |              |  |  |
|  | 4th Quarter  | Ethics for Engr Tech Prof ETD121 (2)      | Statics ETD213 (4)                             | ●General Chem III CHE153/159 (5)          | OSHA1910.120 Hazardous Waste ETD251 (5)   |  |   |              |  |  |
|  | 5th Quarter  | ●Effective Public Speaking COM211 (3)     | Waste Management ETD255 (4)                    | Intro to Organic Chemistry CHE121/127 (4) | Environmental Ethics HUM135 (3)   | Fluid Mechanics HVA286 (3)                     |   |              |  |  |
|  | 6th Quarter  | ●Statistics I MAT122 (4)                  | Soil Mechanics CAT245 (4)                      | Mech.Engr Tech Internship ETD270 (3)      | Mech.Engr Tech Capstone ETD278 (4)  | ●Social Science Elective (3)                   |   |              |  |  |
| <p><b># The Tech Prep Template is a MAP to Program Course Selection.</b> Sinclair Academic Advisors will assist students with individual course selections. Templates are precise for the year stated.</p> |  |   |  |   | <b>Required Courses</b>   |  |   |              |  |  |
|  |  |   |  |   | <b>Recommended Elective Courses</b>   |  |   |              |  |  |
|  |  |   |  |   | <b>Career and Technical Education Courses</b>   |  |   |              |  |  |
|  |  |   |  |   | <b>Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses 2+2 (+2))</b> |  |   |              |  |  |
|  |  |   |  |   | <b>(◆=High School to College) (●=Com. College to 4yr. Institution) (■=Opportunity to test out)</b>      |  |   |              |  |  |
| <b>Mandatory Assessments, Sinclair Academic Advising and State of Ohio Requirements</b>  |  |   |  |   |   |  |   |              |  |  |