Environmental and Natural Resource management

Agriculture, Food, and Natural Resources

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*Level Four*

1 Satisfies one lab science credit required for graduation.

*Level One*

*Level Two*

*Level Three*

ABOUT THE PROGRAM OF STUDY

**Dual credit/dual enrollment options include:**

* Course A
* Course B

*Environmental and Natural Resource Management* is designed for students interested in learning more about becoming good stewards of our environment and natural resources as an environmental scientist, conservationist, forester, or wildlife manager. This program of study covers environmental impacts, energy consumption, environmental public policy, and fundamental science and management of ecosystems, with special attention given to current agricultural practices that support the healthy and sustainable cultivation of major crops. Upon completion of this program of study, students will be prepared for a range of careers associated with the science and management of plants, soils, wildlife, and natural resources.

This is not an exhaustive list of all of the opportunities available in Tennessee.

**Jobs projections for managers including ecology, natural resources and tourism for 2024**

Source: TN Department of Labor and Workforce Development. Accessed Aug. 2017

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| *Environmental and Natural Resources* Related Occupations with the Largest Annual Percentage of Openings in Tennessee (2014-2024) |
| Occupation | 2014 Estimated Employment | 2024 Projected Employment | Total Change | Annual Avg. Percent Change |
| 11-9121 Natural Sciences Managers | 510 | 530 | 10 | 5% |
| 17-2081 Environmental Engineers | 1,010 | 1,220 | 210 | 21% |
| 11-9199 Managers, All Other (Ecology, Natural Resources & Tourism) | 12,500 | 13,790 | 400 | 10% |
| 19-2041 Environmental Scientists and Specialists, including health | 1,370 | 1,480 | 110 | 8% |
| Source: TN Dept of Labor & Workforce Dev, Div Emp Sec, R&SDownloaded: May 17, 2017 |

**POSTSECONDARY OPTIONS**

****Have you registered for the Tennessee Promise? Seniors enrolled in this program have the chance to attend a two-year program at a Tennessee College of Applied Technology (TCAT), community college, or some two–year university programs for free! To learn more, please see your school counselor or visit <http://www.tennesseepromise.gov>.

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| **Postsecondary Offerings**  |
| Program of Study | School | Degree Program |
| Forestry or Wildlife and Fisheries | University of Tennessee, Knoxville | Bachelor’s, Master’s , and/or Doctoral |
| Natural Resource Management  | University of Tennessee, Martin | Bachelor’s |
| Wildlife & Fisheries Science | Tennessee Tech University | Bachelor’s |
| Plant and Soil Science | Walters State Community College | Associate’s |

For more college and career planning resources, visit <http://collegefortn.org>.

Students in this program of study will be eligible to join FFA. In addition to school events, students will be able to compete at the district, regional, state, and national levels. Through FFA, students not only learn about agriculture, but also professionalism, leadership, and soft skills. Walk away from your high school career with experience in competing, networking, applying course content, and more! See your agriculture teacher to learn more about FFA or visit <http://www.tnffa.org>.



**For more information, contact:**

**Name of High School**

**Name of School System**

**CTE Director: [enter name]**

**Email**

**Teacher: [enter name]**

**Email**