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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Program Outcomes   1. Acquires basic theoretical and practical knowledge in science and professional fields and has the ability to use this knowledge to produce solutions. 2. Defines, collects and effectively uses the data required to solve defined problems in the field of Environmental Protection and Control, and can use the necessary manual and mental skills in practical applications. 3. Identifies problems related to unforeseen situations in studies related to the Environmental Protection and Control Program, acquires the ability to seek solutions, and can interpret and evaluate the analysis results obtained. 4. Gains the ability to work in intra-disciplinary and inter-disciplinary teams and communicate effectively, and takes responsibility as a team member to solve unforeseen and complex problems encountered in applications related to his/her field. 5. Gains sensitivity to global and local environmental problems. 6. Can select and effectively use modern techniques, tools and information technologies required for applications related to environmental protection. 7. Have knowledge and awareness of social responsibility, ethical values and social security rights on issues related to the Environmental Protection and Control Program. 8. Gains application skills by examining the relevant processes in the industry and service sectors on site. 9. Learns about the universal and societal effects of technical applications on health, environment and safety, as well as contemporary problems, and becomes aware of the legal consequences of problem-oriented solutions. 10. Gains awareness about entrepreneurship, innovation and sustainable development in his/her field. 11. Gains awareness of the necessity of lifelong learning. | | | | | | | | | | | | | | | | |
| Program Qualifications | | | | | | | | | | | | | | | | |
| Core Field-Competencies Environmental Protection  ASSOCIATE DEGREE QUALIFICATIONS  (Academic Maintenance) | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | Turkish Higher Education Qualifications Framework (TYYÇ, Level 5, Associate Degree Education) | | |
| Information | Factual Theoretical | 1-Has sufficient knowledge in mathematics, science and the application of these fields to environmental protection issues. | **X** | **X** | **X** |  |  |  |  |  |  |  |  | 1. To have basic theoretical and practical knowledge supported by textbooks, application tools and other resources containing current knowledge in the field based on the qualifications gained at the secondary education level. | Factual Theoretical | Information |
| 2- Has the knowledge to carry out basic level practices based on the competencies gained in the field of environmental protection. |  | **X** |  |  |  |  |  |  |  |  |  |  |  |
| Skills | Applied Cognitive | 1-Understands the environmental problems defined in the field from a technical perspective and determines their solutions. |  | **X** | **X** |  | **X** | **X** |  | **X** |  |  |  | 1. Gaining the skills to use the basic theoretical and practical knowledge acquired in the field at an advanced level of education in the same field or in a field at the same level. | Applied Cognitive | Skills |
| **X** | **X** | **X** | **X** |
| 2- Uses all kinds of modern technical equipment and tools in the field of environmental protection by receiving additional technical training. |  | **X** | **X** |  |  | **X** |  | **X** |  |  |  | 2. Ability to interpret and evaluate data, identify and analyze problems, and develop evidence-based solution suggestions by using the basic knowledge and skills acquired in the field. |
| 4- Thinks algorithmically. | **X** | **X** | **X** |  |  | **X** |  |  |  |  |  | 1. Ability to independently carry out a basic level study related to the field. | Ability to Work Independently and Take Responsibility | Competencies |
| 5- Plans and conducts experiments to examine all kinds of problems related to environmental protection, obtains data, analyzes the data obtained and makes its basic interpretation. |  | **X** | **X** | **X** |  |  |  |  |  |  |  | 2. Ability to take responsibility as a team member to solve unforeseen complex problems encountered in applications related to the field. |
|  |  |  |  | **X** |  |  |  |  |  |  |  | 3. Ability to carry out activities aimed at the development of the employees under his/her responsibility within the framework of a project. |
| Competencies | Ability to Work Independently and Take Responsibility | 1- Independently carries out a basic level study in the field of environmental protection. |  |  | **X** | X |  | **X** |  |  |  | **X** |  | 1. To be able to critically evaluate the basic knowledge and skills acquired in the field, to identify and meet learning needs. | Learning  Competence |
| **X** | **X** | **X** |
| 1- Independently carries out a basic level study in the field of environmental protection. |  |  |  | **X** |  |  |  |  |  |  |  | 1. To be able to critically evaluate the basic knowledge and skills acquired in the field, to identify and meet learning needs. |
| **X** |
| Learning Competence | 1-Has awareness of the necessity of lifelong learning; It accesses information and constantly renews itself. |  |  |  |  | **X** |  |  |  |  |  | **X** | 3. Gaining awareness of lifelong learning. |
| **X** |
| 1-Has awareness of the necessity of lifelong learning; It accesses information and constantly renews itself. |  |  |  | **X** |  | **X** |  |  |  |  |  | 1. To be able to convey his/her thoughts through written and verbal communication at the level of basic knowledge and skills on subjects related to his/her field. | Communication and Social Competence |
| Communication and Social Competence | 1-Uses information and communication technologies along with computer software at the basic level required by the field. |  |  |  | **X** |  | **X** |  |  |  |  |  | 2. To be able to share one's thoughts on issues related to the field and solutions to problems with experts and non-experts. |
| 2-By using English at a basic level, she follows the information in her/his field and communicates with her/his colleagues. |  |  |  | **X** |  |  |  |  |  |  |  | 3. Being able to follow the information in the field and communicate with colleagues by using a foreign language at least at the European Language Portfolio A2 General Level. |
| **X** |
| 1-Uses information and communication technologies along with computer software at the basic level required by the field. |  |  |  |  |  | X |  |  |  |  |  | 1. To be able to convey his/her thoughts through written and verbal communication at the level of basic knowledge and skills on subjects related to his/her field. |
| **X** |
|  |  |  |  |  |  |  | **X** |  | **X** |  |  | 1. Having social, scientific, cultural and ethical values in the stages of collecting data related to the field, applying it and announcing the results. | Fields Spesific Competencies |
| Fields Spesific Competencies | 1- Observes professional ethics in protecting the environment and ensuring worker health and safety. |  |  |  |  |  |  | **X** |  | **X** |  |  | 2. Having sufficient awareness about the universality of social rights, social justice, quality and cultural values, environmental protection, occupational health and safety. |
| X | X |