



Environmental Courses

Contents

Higher Diploma in Environmental Sciences, Vegetation Track.....	2
Program Goals :.....	2
Program structure:.....	2
Program admission requirements:	2
Courses:.....	3
Higher Diploma in Environmental Sciences Environmental Sustainability Track	3
Program Goals :.....	3
Program structure.....	4
Program admission requirements:	4
Courses:.....	4
Applied College	5
Physics Department	5

Higher Diploma in Environmental Sciences, Vegetation Track

<https://www.ut.edu.sa/ar/Faculties/science/Biology-section/Pages/NewsDetails.aspx?NewsID=7>



The Higher Diploma in Environmental Sciences - Vegetation Track targets bachelor's graduates in related disciplines, to contribute to achieving the goals of the Kingdom of Saudi Arabia, which include developing, protecting and preserving the environment. In addition, this program will provide graduates with a professional competitive advantage to join jobs related to environmental fields, in particular

Related to vegetation.

Program Goals:

- Strengthening the role of the College of Science at the University of Tabuk in qualifying male and female graduates with skills and abilities that meet the needs of the labor market.
- Managing and controlling vegetation, applying positive behaviors, and developing the necessary procedures to solve vegetation problems.
- Enhancing habitats, preserving and developing forests, pastures and vegetation in general, and preserving them through sustainable management.
- Combating desertification, halting land degradation and rehabilitating it, and reducing the loss of biodiversity.
- Knowledge of the composition of vegetation in the Kingdom of Saudi Arabia, in particular the Tabuk region, and its medical, economic and environmental importance.
- Achieving a balance between human needs and the sustainability of Earth's resources.

Program structure:

- Hours: 30 credit hours
- Duration of study: One academic year (two semesters)
- Study system: courses and field training
- Study style: Regular

Program admission requirements:

Obtaining a bachelor's degree in science, in disciplines related to environmental and biological sciences, from the University of Tabuk or any other university recommended by the Ministry of Education.

The applicant must obtain at least a grade of (good).

Courses:

1. Principles of environmental sustainability
2. The economy in a sustainable society
3. Climate change and its relationship to environmental sustainability
4. Environmental values and ethics
5. Environmental statistics
6. Remote sensing and geographic information systems
7. National Parks Administration
8. Flora of Saudi Arabia
9. Plant communities and vegetation survey and monitoring
10. Vegetation and desertification regulations and legislation
11. Protecting and developing pastures and forests
12. field training

Higher Diploma in Environmental Sciences Environmental Sustainability Track

<https://www.ut.edu.sa/ar/Faculties/science/Biology-section/Pages/NewsDetails.aspx?NewsID=6>



الدبلوم العالي في العلوم البيئية
مسار الاستدامة البيئية
Higher Diploma in Environmental Sciences
Environmental Sustainability Path
قسم الأحياء - كلية العلوم بجامعة تبوك
Department of Biology - Faculty of Science, University of Tabuk



About the program:

The Higher Diploma in Environmental Sciences - Environmental Sustainability track targets bachelor's graduates in related disciplines, to contribute to achieving our country's goals that include developing, protecting and preserving the environment. In addition, this program will provide graduates with a professional competitive advantage to join jobs related to environmental fields. The diploma is also suitable for teachers and those with

Public interest in contemporary environmental issues.

Program Goals :

Raising the level of environmental awareness, and learning about local, regional and international environmental issues, their effects and ways to deal with them.

Strengthening the role of the College of Science at the University of Tabuk in developing skills and capabilities that meet the needs of the labor market.

Managing and controlling the environment and advocating for the application of positive behaviors to achieve sustainable development.

Preserving renewable and non-renewable natural resources and preventing their degradation, and alleviating all types of pollution and excessive consumption of water and energy.

Using clean energy, switching to green buildings, landscaping cities and contributing to reducing the causes of climate change.

Habitat enhancement, biodiversity protection and conservation, and sustainable management of natural resources.

Program structure

- Hours: 30 credit hours
- Duration of study: One academic year (two semesters)
- Study system: courses and field training
- Study style: Regular

Program admission requirements:

Obtaining a bachelor's degree in science, in disciplines related to environmental and biological sciences, from the University of Tabuk or any other university recommended by the Ministry of Education.

The applicant must obtain at least a rating of (good).

Courses:

- **Principles of environmental sustainability**
- **The economy in a sustainable society**
- **Climate change and its relationship to environmental sustainability**
- **Environmental values and ethics**
- **Environmental statistics**
- **Biodiversity sustainability**
- **Environmental impact assessment**
- **Remote sensing and geographic information systems**
- **Waste management to sustain natural resources**
- **Sustainable agriculture and food security**
- **Sustainable management of natural resources**
- **field training**

Applied College

<https://www.ut.edu.sa/ar/Faculties/Applied/Pages/default.aspx#v-pills-collegeDepartments>



Protecting the environment and natural resources



Plant environment



Environment studies

Physics Department

<https://www.ut.edu.sa/ar/Faculties/science/physics-department/DocLib1/Student%20Physics%20Department%20Handbook%20-1444%20new%20Program.pdf#search=training%20staff%20social>

3. College Compulsory Courses

No	Code	Name	Actual credits			Credit hours	Co-requisit	Pre-requisit
			Theor	Pract	Train			
1.	CHEM1101	Fundamentals of Chemistry	2	2		3		
2.	PHYS1101	Fundamentals of Physics	2	2		3		
3.	BIO1101	Fundamentals of Biology	2	2		3		
4.	BIO1201	Principles of Environmental sustainability	2			2		
5.	PHYS1206	Natural Resources	2			2		
6.	BIO1208	Biodiversity	2			2		