

## Donetsk National Technical University

### SWOT analysis of the Curricula

Analysis		Internal origin		External origin	
		STRENGTHS Helpful to achieving the objective	WEAKNESSES Harmful to achieve the objective	OPPORTUNITIES Helpful to achieving the objective	THREATS Harmful to achieve the objective
<b>Course content</b>	Master degree	<p>*The University offers a high quality education. In accordance with the employers rating the University is in the top five of technical universities.</p> <p>* Faculty has powerful and stable traditions of engineering skills training in</p>	<p>* There are no environmental disciplines in the curriculum. Only bachelor's curricula contain discipline "Fundamentals of Ecology".</p> <p>* Weak language skills of students and teachers making it difficult to obtain new scientific</p>	<p>* High prestige of the University contributes to finding investors that provide funding for equipment and chemicals.</p> <p>* The department collaborates in the Applied Ecology Department, so there should be no problem with the teaching of environmental</p>	<p>* The education acts is changed often. Forms and requirements for training documents change frequently.</p> <p>* Funding does not allow small groups of students. The curriculum is designed so as to specialists and masters studied most disciplines together. The curricula have few</p>

		<p>Donbass.</p> <p>* University has highly qualified personnel. The curriculum includes a large number of special subjects. Some of them include the topics on environment monitoring and protecting.</p> <p>* Long industrial practice is included in the curricula. During the practice in enterprises, students can study topics on the environmental pollution and environmental protecting.</p> <p>* Students get ecological</p>	<p>information.</p> <p>* Many years there is no state funding to upgrade laboratory. Equipment.</p> <p>Obsolete laboratory equipment and the lack of chemicals prevent the creation of new disciplines.</p>	<p>disciplines</p> <p>* Department increases the number of international connections and is involved in international projects. This makes it easier to access the scientific and methodological information. It also leads to better language skills of students and teachers.</p> <p>*Department has long cooperation with the Institute of Physical Organic and Coal Chemistry, National Academy of Sciences and the Institute of</p>	<p>disciplines indispensable for masters.</p> <p>* Most fee-based information resources are not available for the university. Creation of new disciplines is hampered by lack of information resources.</p> <p>* Undergraduates have a great week study workload, which is 24 hours. Scientific work is not included at this time.</p> <p>* Bad economical state of industrial enterprises leads to the low demand for the research and development</p>
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		information in training on scientific-methodical complex which comprises Donetsk rubber products plant. Some training sessions are conducted at the factory.		Organic Chemistry, Bulgarian Academy of Sciences. It helps carry out scientific research postgraduate students at a high scientific level.	(including emissions reducing projects).
	PhD degree	Graduate students are connected with the scientific work of the department.	* Obsolete laboratory equipment and the lack of chemicals prevent the creation of new disciplines.	* High prestige of the University contributes to finding investors that provide funding for equipment and chemicals.  *Department has long cooperation with the Institute of Physical Organic and Coal Chemistry, National Academy	* Bad economical state of industrial enterprises leads to the low demand for the research and development (including emissions reducing projects).

				<p>of Sciences and the Institute of Organic Chemistry, Bulgarian Academy of Sciences. It helps carry out scientific research postgraduate students at a high scientific level.</p> <p>*Cooperation with the Department of plants helps to introduce scientific results in the industry.</p>	
<b>Duration, months</b>	Master degree	17			The duration of the post-graduate is short. It is 3 years. Requirements to dissertation are too high. Few people can defend a thesis during graduate school.
	PhD degree	36			
<b>Number of credits, ECTS</b>	Master degree	90			

	PhD degree	180			
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<b>Accreditation of Joint Degree on the national level</b>	
<b>Name of institution responsible for the accreditation of a Joint Degree</b>	Ministry of Education, Institute of educational content
<b>Requested documents for the accreditation of a Joint Degree</b>	Educational and professional program, Educational qualification characteristics, curriculum, programs of disciplines,
<b>Procedure for the accreditation of a Joint Degree</b>	<p><b>Normative disciplines</b>  Mast be approved by ministerial committee on the specialty,  Mast be approved by the Institute of the content of education,  Mast be approved by approved by the Ministry of Education and Science</p> <p><b>Selectable disciplines</b>  Mast be approved by methodical commissions of specialty  Mast be approved by Council of the University,  Mast be approved by the rector</p>
<b>Expected duration for the accreditation process to be completed</b>	6 months