 **TON DUC THANG UNIVERSITY**

**SCHOOL OF GRADUATE STUDIES**

**MASTER PROGRAM**

**ENVIRONMENTAL ENGINEERING (8520320)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **Introducing the Program:**  * The Master training program of the major Environmental Engineering is based on the reference of many reputable universities in the Netherlands, Thailand, England, Taiwan... The outstanding features of this training program are the selecting of advanced training program contents to suit the current condition in Viet Nam and the attempts to meet the demands of employers. * The lecturers are experienced in doing researches, work well in the field of Environment Engineering, and graduated from reputable universities * Special information: students graduating with good Master's degree in Environmental Engineering at Ton Duc Thang University and having desires to study higher will have the priority to be considered transferring documents to continue studying the Ph.D. degree at universities of the Czech Republic, Taiwan…  1. **Program structure:**   The program is divided into **3 large courses** which are progressed in **3 semesters**, as below:   * **1st Semester**: Students will study general and fundamental courses; * **2nd Semester**: Students will study specialist courses;   **3rd Semester**: Students prepare master’s dissertation in 6 months.. | **Curriculum of master program in Environmental Engineering:**   | **Course Code** | **Course title** | **Credit** | **Theory** | | --- | --- | --- | --- | | **General Knowledge** | | **15** |  | | FL700000 | English | 10 | 10 | | SH700000 | Philosophy | 3 | 3 | | IN700000 | Research Methods | 2 | 2 | | **Fundamental and Specialist knowledge** | | **30** |  | | **Mandatory courses** | | **12** |  | | EL702010 | Biological process in Environmental engineering | 2 | 2 | | EL702020 | Physichemical process in environmental engineering | 2 | 2 | | EL702030 | Advanced solid waste and hazardous waste treatment technology | 2 | 2 | | EL702040 | Advanced water treatment engineering | 2 | 2 | | EL702050 | Advanced wastewater treatment engineering | 2 | 2 | | EL702060 | Advanced air pollution control engineering | 2 | 2 | | **Selective courses (collect 18 credits, including 01 Advanced Topic)** | | **18** |  | | EL702070 | Ecological engineering | 2 | 2 | | EL702080 | Environmental data analysis and interpretation | 2 | 2 | | EL702090 | Ecotoxicology | 2 | 2 | | EL702100 | Environmental modelling | 2 | 2 | | EL702110 | Environmental monitoring technology | 2 | 2 | | EL702120 | Environmental analysis technology | 2 | 2 | | EL702130 | Noise ans vibration control technologies | 2 | 2 | | EL702140 | Land contamination treatment techniques | 2 | 2 | | EL702150 | Membrane technology in environmental engineering | 2 | 2 | | EL702160 | Waste recycling | 2 | 2 | | EL702170 | Applied geographic information system in Environmental engineering | 2 | 2 | | EL702180 | Experimental of waste treatment techniques | 2 | 1 | | EL702190 | Experimental of environmental analysis techniques | 2 | 1 | | EL702200 | Environmental economics | 2 | 2 | | EL702210 | Environmental Impact and Strategic Assessment | 2 | 2 | | EL702220 | Environmental Planning | 2 | 2 | | EL702230 | Climate Change: Mitigation and Adaptation | 2 | 2 | | EL702240 | Energy management | 2 | 2 | | EL702250 | Environmental Risk Management | 2 | 2 | | EL702260 | Water Resources Management | 2 | 2 | | EL702270 | Water supply and drainage network management | 2 | 2 | | EL702280 | Environmental project design and management | 2 | 2 | | EL701050 | Hazard Identification and Quantified Risk Analysis | 2 | 2 | | EL701220 | Environmental Management System | 2 | 2 | | EL701240 | Pollution Minimization and Prevention | 2 | 2 | | EL702290 | Advanced Topics in Environmental management | 2 | 2 | | EL702300 | Advanced Topics in Natural resource management | 2 | 2 | | EL702310 | Advanced Topics in Environmental technology | 2 | 2 | | **Master Thesis** | | **15** |  | | EL702000 | Master’s Thesis | 15 | 0 | | **TOTAL** | | **60** |  | | |
| * **Admission time:**  Two admission times in June and December annually. * **Study period:** 18 – 24 months. * **Study time:** At night or on Saturday and Sunday. * **Online application:** http://gradadmissions.tdtu.edu.vn |
| * **Scholarship (Grant based on GPA and review annually)**   - **Excellent:** 100%tuition fee + 100% accommodation + 100% Vietnamese language.  **- Very good:** 50% tuition  **- Good:** 25% tuition   * **Tuition Fee**   $2000/2-years program in Business and Social majors.  $2200/2-years program in Science and Technology majors.   * **Dormitory fee**   From $25/month. | | **CONTACT**  **Website:** <http://grad.tdtu.edu.vn>[/](http://grad.tdtu.edu.vn/)  **Email**: [gradstudies@tdtu.edu.vn](mailto:gradstudies@tdtu.edu.vn)  barcode**Address:** School of Graduate Studies (A305), Tôn Đức Thắng University, 19 Nguyễn Hữu Thọ St, Tân Phong Ward, District 7, HCM City.  **Phone:** +84 (28) 3775-5059  **Hotline:** +84 944314466  **FB:** <https://www.facebook.com/sgs.tdtu/> |