**TON DUC THANG UNIVERSITY  
Faculty of Environment and Labor Safety**

**Education Program – Department of Environmental Engineering Technology**

**Elective courses –**

**Skills for Sustainable Development**

**(3101/3102\_180901)**

**English Community 1  
  
001201 5(5.0)**

**General Chemistry 1 Laboratory**

**901083 1(0.1)**

**901081**

**Analytic Geometry and Calculus 1**

**902045 2(2.0)**

**Learning Methods in University  
300024 1(1.0)**

**Skills for Sustainable Development**

**L00001 2(1.1)**

**General Chemistry 1  
  
901081 2(2.0)**

**Introduction to Environmental Engineering and Science**

**902036 1(1.0)**

**Physics with Calculus 1 Laboratory**

**601089 1(0.1)**

**601083**

**Physics with Calculus 1**

**601083 2(2.0)**

**Year 1**

**Swimming**

**D01001 0(1.1)**

**Technical Drawing and Visualization  
901089 3(2.1)**

**Analytic Geometry and Calculus 2**

**902046 2(2.0)**

**902045**

**National Defense Education – 1st Course  
  
 D02028 0(3.0)**

**Teamwork Skills  
  
300060 1(1.0)**

**Writing and Presenting Skills  
300094 1(1.0)**

**General Chemistry 2 Laboratory**

**901084 1(0.1)**

**901082**

**General Chemistry 2  
  
901082 2(2.0)  
901081**

**Fundamentals of Informatics 1  
503021 2(1.1)**

**Physics with Calculus 1 Laboratory**

**601090 1(0.1)  
601084**

**Physics with Calculus 2**

**601084 2(2.0)  
601083**

**Elective courses –**

**Physical education – 1st**

**(0101\_180901)**

**English Community 2  
  
001202 5(5.0)  
001201**



**National Defense Education – 2nd Course**

**D02029 0(2.0)**

**Essential Skills for Sustainable Development - Life Attitude 2**

**L00021 0(0.0)**

**Elementary Differential Equations**

**902078 2(2.0)  
902046**

**Analytic Geometry and Calculus 3**

**902047 (2.0)**

**902046**

**Elective courses –**

**Physical education – 2nd**

**(0201\_180901)**

**Elective courses –**

**Skills for Sustainable Development**

**(2901\_180901)**

**Fundamentals of Informatics 2  
503022 2(1.1)  
503021**

**Materials**

**901086 2(2.0)**

**Engineering Mechanics: Statics**

**901085 2(2.0)  
901089, 300024**

**Introduction of Laws**

**302053 2(2.0)**

**The Basic Principles of Marxism – Leninism  
 301001 5(5.0)**

**English Community 3  
  
001203 5(5.0)  
001202**

**Year 2**

**Environmental Technology Process**

**902052 3(3.0)**

**902036, 300024**

**Environmental Hydrology**

**901088 2(2.0)  
902036**

**Engineering Geology and Hydrogeology**

**901087 2(2.0)  
902036**

**Hydrodynamics**

**901080 2(2.0)**

**300060, 901085**

**AutoCAD**

**900010 2(0.2)  
901089**

**Water Chemistry**

**901091 3(3.0)  
901082**

**Wastewater Microbiology**

**901090 3(3.0)  
 902036 300094**

**Ho Chi Minh Ideology  
  
301002 2(2.0)  
301001**



**Essential Skills for Sustainable Development - Life Attitude 3  
L.00025 0(0.0)  
L00021**

**Hydraulic Systems Design**

**901092 2(2.0)  
901080, 300060**

**Experiment of Environmental Technology Process**

**902111 2(2.0)**

**902052**

**Geodesy and Geodetic Practice**

**800040 2(1.1)  
901089**

**Revolutionary Way of Communist Party of Vietnam**

**301003 3(3.0)  
301002**

**Elective courses –**

**Skills for Sustainable Development**

**(2901\_180901)**

**Environmental Analysis**

**902081 3(2.1)  
902052 300094**

**Constructions of intakes and pump stations**

**901093 2(2.0)  
901088, 901087**

**Engineering elective courses 1**

**(0301\_180901)**

**(2 credits)**

**Elective courses – Sustainability 2**

**(0601\_180901)**

**(2 credits)**

**Network of Water Supply and Drainage**

**901094 3(3.0)  
903081**

**Wastewater Treatment Engineering**

**901031 3(3.0)  
902052**

**Year 3**

**Water Treatment Engineering**

**901009 3(3.0)  
902052, 300094**

**Applied Informatics of Water Supply and Drainage**

**903061 2(2.0)**



**Elective courses**

**Practice 3**

**(0501\_180901)**

**(2 credits)**

**Engineering elective courses 1**

**(0301\_180901)**

**(2 credits)**

**Engineering elective courses 4**

**(0401\_180901)**

**(4 credits)**

**Construction Economics**

**901042 3(3.0)**

**901092 001203**

**Indoor Water Supply and Drainage**

**901019 3(3.0)  
901080 001203**

**Year 4**

**Graduation thesis (0701-180901)**

**901104 10(0.10)**

**901019 901031 901009 001203/**

|  |  |
| --- | --- |
| **General basic module (0702-180901)**  **901105 4(0.4)**  **901019 901031 901009 001203** | **General Specialized Module (0702-180901)**  **901106 6(0.6)**  **901019 901031 901009 001203** |

**4(0.4) and**

**General specialized module 6(0.6) (0602\_180902)**

**Professional practice skills  
901CM1 0(0.0)  
0701-180901 or 0702-180901**

**Graduation Internship  
903103 4(0.4)  
0701-180901 or 0702-180901  
903105 903106**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KEYS:** |  | General knowledge |  | Specialized fundamental courses |  | Specialized advanced courses |  | Specialized graduation |  | Selective courses |
|  | **90…** | Prior-completion | **90…** | Co‐requisite | **90…** | Prerequisite |  |  |  |  |