

Standard Master program in Environmental Engineering Technology

(Dated October 29th, 2015)

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| The total minimum required number of credits: | 66 credits |
| - General courses (required): | 07 credits |
| - Fundamental and core courses: | 41 credits |
| + Required: | 20 credits |
| + Elective: | 21/57 credits |
| - Master thesis: | 18 credits |

Available curriculum

| No | Code | Subjects | Credits | Credit hours | | | Prerequisite |
|-------------|-------------------------------------|---|-----------|--------------|----------|------------|--------------|
| | | | | Lecture | Practice | Self-study | |
| I | General courses | | 7 | | | | |
| 1 | PHI 5001 | <i>Philosophy</i> | 3 | 30 | 15 | 0 | |
| 2 | ENG 5001 | <i>General English</i> | 4 | 30 | 30 | 0 | |
| II | Fundamental and core courses | | 41 | | | | |
| II.1 | Required | | 20 | | | | |
| 3 | ENG 6001 | <i>English for Academic Purposes</i> | 3 | 15 | 15 | 15 | |
| 4 | EVS 6102 | <i>Principles of Environmental Science</i> | 3 | 30 | 10 | 5 | |
| 5 | EVS 6103 | <i>Principles of Environmental Technology</i> | 3 | 27 | 12 | 6 | EVS6102 |
| 6 | EVS 6171 | <i>Environmental Analysis Tools</i> | 3 | 30 | 10 | 5 | |

| No | Code | Subjects | Credits | Credit hours | | | Prerequisite |
|-------------|-----------------|--|-----------|--------------|----------|------------|--------------|
| | | | | Lecture | Practice | Self-study | |
| 7 | EVS 6108 | <i>Environmental Quality Assessment and Control</i> | 3 | 25 | 15 | 5 | EVS6103 |
| 8 | EVS 6174 | <i>Green infrastructure systems</i> | 3 | 30 | 10 | 5 | |
| 9 | EVS 6175 | <i>Field Study</i> | 2 | | | | |
| II.2 | Elective | | 21/5 7 | | | | |
| 10 | EVS 6176 | <i>Building and Engineering Project Management</i> | 3 | 30 | 10 | 5 | |
| 11 | EVS 6106 | <i>Scientific Research methods</i> | 3 | 30 | 10 | 5 | |
| 12 | EVS 6107 | <i>Ethics and Environmental Policy</i> | 3 | 30 | 10 | 5 | |
| 13 | EVS 6172 | <i>Quantitative Environmental Modelling</i> | 3 | 30 | 10 | 5 | |
| 14 | EVS 6173 | <i>Environmental Impacts Monitoring</i> | 3 | 30 | 10 | 5 | |
| 15 | EVS 6181 | <i>Solid wastes resources management</i> | 3 | 30 | 10 | 5 | EVS6102 |
| 16 | EVS 6182 | <i>Supply and waste water control</i> | 3 | 30 | 10 | 5 | EVS6103 |
| 17 | EVS 6190 | <i>Environmental Biotreatment and Bioremediation</i> | 3 | 30 | 10 | 5 | |
| 18 | EVS 6191 | <i>Air Pollutant's Treatment in Typical Industrial Sectors</i> | 3 | 30 | 10 | 5 | |

| No | Code | Subjects | Credits | Credit hours | | | Prerequisite |
|------------|----------|--|-----------|--------------|----------|------------|--------------|
| | | | | Lecture | Practice | Self-study | |
| 19 | EVS 6192 | <i>Soil Pollution and Remediation</i> | 3 | 30 | 10 | 5 | |
| 20 | EVS 6177 | <i>Contaminated site treatment</i> | 3 | 30 | 10 | 5 | |
| 21 | EVS 6178 | <i>Air quality improvement for indoor and ambient</i> | 3 | 30 | 10 | 5 | |
| 22 | EVS 6179 | <i>Microbiological technology in waste treatment</i> | 3 | 30 | 10 | 5 | |
| 23 | EVS 6180 | <i>Wetland technology</i> | 3 | 30 | 10 | 5 | |
| 24 | EVS 6185 | <i>Sustainable water resource systems</i> | 3 | 30 | 10 | 5 | |
| 25 | EVS 6193 | <i>Environmental Technology Assessment and Appraisal</i> | 3 | 30 | 10 | 5 | |
| 26 | EVS 6194 | <i>Waste Economics</i> | 3 | 30 | 10 | 5 | |
| 27 | EVS 6196 | <i>Geotechnical Applications</i> | 3 | 30 | 10 | 5 | |
| 28 | EVS 6197 | <i>Hydrogeology: the processes and contamination</i> | 3 | 30 | 10 | 5 | |
| III | | Master Thesis | 18 | | | | |
| 29 | EVS 7008 | <i>Master thesis</i> | 18 | 0 | 0 | 270 | |
| | | Total | 66 | | | | |