**Field of Study: Environmental Toxicology**

**Program: Master of Science**

**1st semester**

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| **Course Title** | **Course Code** | **Course**  **Type** | **Number & Type of Credits** | | | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Medical Information Systems | 01 | Compensation | 0.5 | 0.5 | ------ | 1 | ------ |
| Solid Waste management | 21 | Proprietary-  Compulsory | 1.5 | 0.5 | ------ | 2 | 05 |
| Evaluating the Effects of Development on the Environment | 10 | Compensation | 2 | ------ | ------ | 2 | ------ |
| Research Method in Health Sciences | 08 | Compensation | 1.5 | 0.5 | ------ | 2 | ------ |
| Specialized English Language | 14 | Proprietary-  Compulsory | 2 | ------ | ------ | 2 | ------ |
| Principles of Toxicology | 17 | Proprietary-  Compulsory | 2 | ------ | ------ | 2 | ------ |

**2nd semester**

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| **Course Title** | **Course Code** | **Course**  **Type** | **Number & Type of Credits** | | | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Safety of the Use of Chemicals and Toxicants | 16 | Proprietary-  Compulsory | 1 | ------ | ------ | 1 | ------ |
| Health Assessment | 24 | Proprietary-  Compulsory | 2 | ------ | ------ | 2 | 10 |
| Pesticide Sciences | 19 | Proprietary-  Compulsory | 1 | ------ | ------ | 1 | 17 |
| Research Project | 25 | Proprietary-  Compulsory | ------ | ------ | 1 | 1 | ------ |
| Application of Remote Sensing & Geographic Information System (GIS) | 34 | Proprietary-  Elective | 0.5 | ------ | 0.5 | 1 | ------ |
| Biodegradation of xenobiotic chemicals | 32 | Proprietary-  Elective | 2 | ------ | ------ | 2 | ------ |
| Environmental Toxicology | 30 | Proprietary-  Compulsory | 2 | ------ | 1 | 3 | 17 |
| Environmental Ecology | 15 | Proprietary-  Compulsory | 1 | ------ | ------ | 1 | ------ |

**3rd semester**

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| **Course Title** | **Course Code** | **Course**  **Type** | **Number & Type of Credits** | | | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Identification and Analysis of Environmental Toxicants | 18 | Proprietary-  Compulsory | 0.5 | 1.5 | ------ | 2 | 16,17 |
| Earth's Toxicology | 23 | Proprietary-  Compulsory | 2 | ------ | ------ | 2 | ------ |
| Movement & Biotransformation of Toxicants | 22 | Proprietary-  Compulsory | 2 | ------ | ------ | 2 | 17 |
| Apprenticeship | 26 | Proprietary-  Compulsory | ------ | 2 | ------ | 2 | ------ |
| The Effects of Toxicants on cells and molecules | 28 | Proprietary-  Elective | 1.5 | 0.5 | ------ | 2 | ------ |

**4th semester**

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| **Course Title** | **Course Code** | **Course**  **Type** | **Number & Type of Credits** | | | **Credit** | **Prerequisite Course Code** |
| **Theoretical** | **Practical** | **Workshop** |
| Master's research |  | |  |  | | --- | --- | |  |  | | ------ | 4 | ------ | 4 | ------ |