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Engineering Knowledge: Be able to use basic knowledge of mathematics, natural sciences, relevant engineering fundamental theories and expertise to develop solutions for complex engineering problems.

3. Design/Development of Solutions: Be able to design solutions for complex engineering problems, as well as systems, units account of factors such as society, health, safety, laws, culture and environment.

6. Engineering and the Society: Be able to perform sound analyses based on engineering-related background knowledge, evaluate the social, health, safety, legal, and cultural impacts of environmental science and engineering practices and solutions to complex environmental problems, and understand the responsibilities involved.

7. Sustainable Development of Society and Environment: Be able to understand and evaluate the impact of professional engineering practice for complex environmental science and engineering problems on sustainable development of society and environment.

8. Professional norms: Have humanities and social sciences qualities, social responsibility, be able to understand and comply with the ethics and norms of the engineering profession and fulfill the responsibilities in the practice of environmental science and engineering.

9. Individual and Collaborative Team Work: Be able to effectively play a role as an individual, member or leader against a multidisciplinary background.

. Communication: Be able to effectively communicate and exchange complex environmental science and engineering issues with industry peers and the general public, including report and document writing, presentations, clear expression, or response to instructions, and possess a certain international perspective, be able to communicate and exchange in a cross-cultural background.

Master a foreign language and be able to apply it against the background of environmental engineering.

ble to effectively communicate and exchange complex environmental engineering issues with industry peers and the general public through oral and written methods.

ble to communicate and exchange in a cross-cultural background, with a certain international perspective.

ble to express personal thoughts on current international hot issues related to environmental engineering profession.

11. Project Management: Understand and master the principles of engineering management and economic decision-making methods, and be able to apply them in a multi-disciplinary environment.

Master the basic principles and methods of engineering management.

Master the basic theories and methods of economic decision-making in engineering.

ble to apply the principles of engineering management and economic decision-making methods to professional engineering practice.

12. Continuous Lifelong Learning: Possess awareness of self-directed and lifelong learning and the ability to constantly learn and adapt to development.

12.1 Establish the concept of the importance of lifelong learning for self-development.

12.2 Be able to continuously conduct self-learning and self-exercise through appropriate approaches and methods.

12.3 Be able to demonstrate the achievement through self-learning and pave the way for lifelong learning.

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General Education & Basic Courses		42.0		
		10.0	160	

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Course Category	Course No.	Course Title		C/E	Total Curriculum Hours					Credits	Semester
					Class Hours	Theoretical class hours	Lab Hours	Practice Hours	Other Hours		
General Education & Basic Courses											

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Course Category	Course No.	Course Title	C/E	Total Curriculum Hours					Credits	Semester
				Class Hours	Theoretical class hours	Lab Hours	Practice Hours	Other Hours		

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