



**ADAMAS UNIVERSITY**  
**SCHOOL OF ENGINEERING & TECHNOLOGY**  
**M.Tech in Environmental Engineering**

<b>SEMESTER I</b>								
Sl.	Type	Course code	Title of the Course	L	T	P	Contact Hours/Week	Credits
1	Theory	ECE61101	Physico-Chemical Processes in Environmental Engineering.	3	1	0	4	4
2	Theory		Elective - I	3	0	0	3	3
3	Theory	ECE61107	Air and Noise Pollution	3	1	0	4	4
4	Theory	ECE61109	Process Chemistry for Water and Wastewater Treatment	3	1	0	4	4
5	Theory	ECE61121	Civil-Technical Report Writing	2	0	0	2	2
6	Practical	ECE61205	Water and Waste Water Quality Lab	0	0	3	3	2
7	Practical	ECE61207	Air and Noise Pollution Lab	0	0	3	3	2
8	Sessional	ECE61303	Colloquium-I	0	0	3	3	2
			<b>Total</b>	<b>14</b>	<b>3</b>	<b>9</b>	<b>26</b>	<b>23</b>
<b>SEMESTER II</b>								
Sl.	Type	Course Code	Title of the Course	L	T	P	Contact Hours/Week	Credits
1	Theory	ECE61102	Biological Process for Environmental Engineering	3	1	0	4	4
2	Theory	ECE61104	Solid and Hazardous Waste Management	3	1	0	4	4
3	Theory		Elective-II	3	0	0	3	3
4	Theory		Elective-III	3	0	0	3	3
5	Practical	ECE61202	Design of Environmental Engineering Systems	0	0	3	3	2
6	Sessional	ECE61304	Colloquium-II	0	0	3	3	2
			<b>Total</b>	<b>12</b>	<b>2</b>	<b>6</b>	<b>20</b>	<b>18</b>



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<b>SEMESTER III</b>								
<b>Sl. No.</b>	<b>Type</b>	<b>Course Code</b>	<b>Title of the Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Contact Hours/ Week</b>	<b>Credits</b>
1	Thesis	ECE62401	Pre-Dissertation	0	0	0	24	18
2	Viva	ECE62501	Pre-submission Defense of Dissertation	0	0	0	0	4
			<b>Total</b>				24	22

<b>SEMESTER IV</b>								
<b>Sl. No.</b>	<b>Type</b>	<b>Course Code</b>	<b>Title of the Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Contact Hours/ Week</b>	<b>Credits</b>
1	Thesis	ECE62402	Dissertation	0	0	0	24	18
2	Viva	ECE62502	Defense of Dissertation	0	0	0	0	6
			Total					24

**TOTAL CREDITS = 87**

**Environmental Engineering Electives and code**

**Elective-I**

- i. ECE61103 Environmental System Engineering
- ii. ECE61105 Advanced Soil and Foundation Engineering

**Elective-II**

- i. ECE61106 - Industrial Wastewater Pollution Control
- ii. ECE61110 – Environmental Impact Assessment

**Elective-III**

- i. ECE61108–Numerical Methods
- ii. ECE61112– Optimization Methods