

**Table 1**  
**TABLE OF ACADEMIC PROGRAM**  
**HACETTEPE UNIVERSITY**  
**ENGINEERING FACULTY**  
**ENVIRONMENTAL ENGINEERING DEPARTMENT**

FALL							SPRING				
COURSE CODE AND NAME	T	P	C	ECTS	Number of Sections	COURSE CODE AND NAME	T	P	C	ECTS	Number of Sections
<b>1st SEMESTER</b>						<b>2nd SEMESTER</b>					
MAT 123 MATHEMATICS I	4	2	5	6		MAT 124 MATHEMATICS II	4	2	5	6	
FIZ 137 PHYSICS I	4	0	4	5		FIZ 138 PHYSICS II	4	0	4	5	
FIZ 117 GENERAL PHYSICS LAB.	0	3	1	2		CEV 102 ENVIRONMENTAL CHEMISTRY I	4	0	4	6	2
CEV 101 INTRODUCTION TO ENVIRONMENTAL ENGINEERING	3	0	3	3	1	MÜH 101 INTRODUCTION TO PROGRAMMING	3	0	3	5	
KİM 147 CHEMISTRY	4	0	4	5		İNG 112 LANGUAGE SKILLS II	3	0	3	3	
KİM 119 CHEMISTRY LAB I	0	3	1	2		TKD 104 TURKISH LANGUAGE II	2	0	2	2	
İNG 111 LANGUAGE SKILLS I	3	0	3	3		<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>20</b>	<b>2</b>	<b>21</b>	<b>27</b>	
TKD 103 TURKISH LANGUAGE I	2	0	2	2							
BEB 650 USAGE OF BASIC INFORMATION AND COMMUNICATION TECHNOLOGIES	0	2	1	2		NON-TECHNICAL ELECTIVE	2	0	2	3	
UNI 101 INTRODUCTION TO UNIVERSITY LIFE						<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>	
<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>20</b>	<b>10</b>	<b>24</b>	<b>30</b>							
<b>TOTAL CREDITS FOR SEMESTER</b>			<b>24</b>	<b>30</b>		<b>TOTAL CREDITS FOR SEMESTER</b>			<b>23</b>	<b>30</b>	
<b>3rd SEMESTER</b>						<b>4th SEMESTER</b>					
MAT 235 ENGINEERING MATHEMATICS I	4	0	4	5	1	CEV 202 COMPUTER AIDED DRAWING	2	2	3	5	2
CEV 201 ENGINEERING MECHANICS	3	0	3	4	1	CEV 204 FLUID MECHANICS	4	0	4	5	1
CEV 203 MATERIAL SCIENCE	3	0	3	4	1	CEV 206 NUMERICAL ANALYSIS	3	0	3	5	1
CEV 205 ENVIRONMENTAL CHEMISTRY II	4	0	4	4	2	CEV 208 ENVIRONMENTAL STATISTICS	3	0	3	4	1
CEV 207 ENVIRONMENTAL CHEMISTRY LAB.	0	4	2	2	2	CEV 210 ENVIRONMENTAL MICROBIOLOGY	3	0	3	4	1
CEV 209 ENGINEERING THERMODYNAMICS	4	0	4	6	1	CEV 212 ENVIRONMENTAL MICROBIOLOGY LAB.	0	3	1	2	2
AIT 203 PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY I	2	0	2	2		AIT 204 PRINCIPLES OF ATATURK AND TURKISH REVOLUTION HISTORY II	2	0	2	2	
İNG 211 ACADEMIC WRITING SKILLS I	3	0	3	3		İNG 212 ACADEMIC WRITING SKILLS II	3	0	3	3	
<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>23</b>	<b>4</b>	<b>25</b>	<b>30</b>		<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>20</b>	<b>5</b>	<b>22</b>	<b>30</b>	
<b>TOTAL CREDITS FOR SEMESTER</b>			<b>25</b>	<b>30</b>		<b>TOTAL CREDITS FOR SEMESTER</b>			<b>22</b>	<b>30</b>	
<b>5th SEMESTER</b>						<b>6th SEMESTER</b>					
CEV 301 AIR QUALITY MANAGEMENT	3	0	3	5	1	CEV 302 AIR POLLUTION AND CONTROL	3	0	3	5	1
CEV 303 PHYSICOCHEMICAL TREATMENT	3	0	3	5	1	CEV 304 BIOLOGICAL TREATMENT	3	0	3	5	1
CEV 307 UNIT OPERATIONS I	3	2	4	5	2	CEV 306 URBAN DRAINAGE AND SEWERAGE	3	0	3	6	1
CEV 309 WATER SUPPLY ENGINEERING	3	0	3	5	1	CEV 308 UNIT OPERATIONS II	3	2	4	5	2
CEV 310 SUMMER PRACTICE I	0	4	2	5	1	GMT 151 SURVEYING FOR ENGINEERS	1	2	2	4	
<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>12</b>	<b>6</b>	<b>15</b>	<b>25</b>		<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>13</b>	<b>4</b>	<b>15</b>	<b>25</b>	
CEV TECHNICAL ELECTIVE	3	0	3	5		CEV TECHNICAL ELECTIVE	3	0	3	5	
<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>		<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>5</b>	
<b>TOTAL CREDITS FOR SEMESTER</b>			<b>18</b>	<b>30</b>		<b>TOTAL CREDITS FOR SEMESTER</b>			<b>18</b>	<b>30</b>	
<b>7th SEMESTER</b>						<b>8th SEMESTER</b>					
CEV 405 DESIGN PROJECT I	3	0	3	6	10	CEV 408 DESIGN PROJECT II	3	0	3	6	10
CEV 407 SOLID WASTE MANAGEMENT	3	0	3	4	1	CEV 452 ENVIRONMENTAL MODELING	3	0	3	5	1
CEV 406 ENVIRONMENTAL ECONOMICS	3	0	3	4	1	MÜH 104 OCCUPATIONAL HEALTH AND SAFETY I	1	0	1	1	
CEV 410 SUMMER PRACTICE II	0	4	2	4	1	<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>12</b>	
MÜH 103 OCCUPATIONAL HEALTH AND SAFETY I	1	0	1	1							
MÜH 401 MULTI-DISCIPLINED PROJECT WORK	0	2	1	1		CEV TECHNICAL ELECTIVE	3	0	3	5	
<b>TOTAL CREDITS FOR MANDATORY COURSES</b>	<b>10</b>	<b>6</b>	<b>13</b>	<b>20</b>		CEV TECHNICAL ELECTIVE	3	0	3	5	
CEV TECHNICAL ELECTIVE	3	0	3	5		CEV TECHNICAL ELECTIVE	3	0	3	5	
CEV TECHNICAL ELECTIVE	3	0	3	5		NON-TECHNICAL ELECTIVE	3	0	3	3	
<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>10</b>		<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>18</b>	
<b>TOTAL CREDITS FOR SEMESTER</b>			<b>19</b>	<b>30</b>		<b>TOTAL CREDITS FOR SEMESTER</b>			<b>19</b>	<b>30</b>	
<b>TOTAL CREDITS FOR PROGRAM</b>									<b>168</b>	<b>240</b>	
<b>TOTAL CREDITS FOR MANDATORY COURSES</b>									<b>142</b>	<b>199</b>	
<b>TOTAL CREDIT FOR ELECTIVE COURSES</b>									<b>26</b>	<b>41</b>	
<b>% REQUIRED COURSES</b>										<b>83%</b>	
<b>% ELECTIVE COURSES</b>										<b>17%</b>	
*The language of the program is 100% English.											
** Please specify only the number of section for the courses offered under your department code.											
<b>HACETTEPE UNIVERSITY</b> <b>ENGINEERING FACULTY</b> <b>ENVIRONMENTAL ENGINEERING DEPARTMENT</b> <b>UNDERGRADUATE PROGRAM</b> <b>LIST OF DEPARTMENTAL ELECTIVE COURSES</b>											
COURSE CODE AND NAME	T	P	C	ECTS	Number of Sections						
CEV 311 INSTRUMENTAL ANALYSIS	3	0	3	5	1						
CEV 312 ENVIRONMENTAL TOXICOLOGY	3	0	3	5	1						
CEV 313 SUSTAINABILITY	3	0	3	5	1						
CEV 314 ENVIRONMENTAL IMPACT ASSESSMENT	3	0	3	5	1						
CEV 315 ENVIRONMENTAL GEOLOGY	3	0	3	5	1						
CEV 316 ENVIRONMENTAL RISK MANAGEMENT	3	0	3	5	1						
CEV 317 WATER QUALITY	3	0	3	5	1						
CEV 319 ENVIRONMENTAL ANALYTICAL CHEMISTRY	3	0	3	5	1						
CEV 411 SUSTAINABLE ENERGY	3	0	3	5	1						
CEV 412 SUSTAINABLE BUILDINGS	3	0	3	5	1						
CEV 419 GLOBAL CLIMATE CHANGE	3	0	3	5	1						
CEV 414 GROUNDWATER AND SOIL POLLUTION	3	0	3	5	1						
CEV 415 MARINE POLLUTION	3	0	3	5	1						
CEV 421 AIR POLLUTION MODELLING	3	0	3	5	1						
CEV 417 OPERATION OF WASTEWATER TREATMENT PLANTS	3	0	3	5	1						
CEV 423 SLUDGE TREATMENT	3	0	3	5	1						
CEV 424 GREEN CHEMISTRY	3	0	3	5	1						
CEV 425 BEHAVIOR AND TRANSPORT OF POLLUTANTS	3	0	3	5	1						
CEV 426 MEMBRANE TECHNOLOGIES	3	0	3	5	1						
CEV 427 SOIL SCIENCE AND POLLUTION	3	0	3	5	1						
CEV 451 LANDFILL DESIGN	3	0	3	5	1						
CEV 455 FUNDAMENTALS OF ECOLOGY	3	0	3	5	1						
CEV 461 GREEN ENGINEERING	3	0	3	5	1						
CEV 465 HAZARDOUS WASTE MANAGEMENT	3	0	3	5	1						
CEV 467 ANAEROBIC TREATMENT	3	0	3	5	1						
CEV 469 INNOVATIVE ENVIRONMENTAL PROJECTS	3	0	3	5	10						
CEV 470 ENVIRONMENTAL LAW	3	0	3	5	1						
CEV 471 PHYTOTECNOLOGY: REMEDIATION OF ENVIRONMENTAL CONTAMINANTS	3	0	3	5	1						
CEV 492 SPECIAL TOPICS IN ENVIRONMENTAL ENGINEERING	3	0	3	5	1						