

## Studying Enviomental Engineering at BUCT

### Year 1 (Semester 1)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Core Courses</b>					
ENG11604T	College English C	64	4	64	0
MAT13A00T	Advanced Mathematics I	98	6	98	0
PHE10000E	Military Theory	36	1	24	12
HSS18000T	College Students Physical And Mental Health	18	1	12	6
MXI12200E	Brief Introduction Of Chinese Modern History	32	2	24	8
PHE10001T	Physical Education I	32	1	32	0
CHM10700T	Foundational Chemistry	72	4.5	72	0
CHM11200L	Practical Chemistry I	38	2.0	0	38
	total		<b>21.5</b>		
<b>Selective Courses</b>					
CSE10300C	Basic Computing	40	2.5	16	0
	total		<b>2.5</b>		

### Year 1 (Semester 2)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Core Courses</b>					
MAT13A01T	Advanced Mathematics II	98	6	98	0
PHY11600T	General Physic I	64	4.0	64	0
PHE10002T	Physical Education (II)	32	1.0	32	0
MXI11400E	Cultivation of ethics and fundamentals of law	48	3.0	32	16
ENG11605T	College English B	64	4.0	64	0
CSE14600C	C Programme	64	4.0	38	0
CHM11100L	Practical Chemistry (II)	32	1.5	0	32
PHE19000P	Military Training	2W	1.0	0	0
MEE29101P	Metalworking Practice	2W	2.0	0	0
	Total		<b>26.5</b>		
<b>Selective Courses</b>					
CHM13300T	Organic Chemistry	40	2.5	40	0

**Year 1 (Semester 3 Summer School)**

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Selective Courses</b>					
	Introduction of Modern Chemical Engineering	16	1	16	0

## Year 2 (Semester 1)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Core Courses</b>					
MXI22901E	Introduction to Mao Zedong Thought and theoretical system of socialism with Chinese characteristics	96	6.0	64	32
MAT11500T	Linear Algebra	56	3.5	56	0
PHY21601T	General Physic ( II )	64	4.0	64	0
PHY11100L	Practical Physic (I)	30	1.5	56	0
ENG22604T	College English A	64	4.0	64	0
CHM34400T	Physical Chemistry (I)	48	3.0	48	0
PHE20000T	Physical Education (III)	32	1.0	32	0
	Social Practice	4W	2.0	0	0
	total		<b>25</b>		
<b>Selective Courses</b>					
CHM33100L	Practical Chemistry (III)	48	2.5	0	48
CSE14201C	VB Programme	32	2.0	16	0
	Total		<b>4.5</b>		

## Year 2 (Semester 2)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Core Courses</b>					
PHE20001T	Physical Education (IV)	32	1.0	32	0
MXI21400E	Basic Principles of Marxism	48	3.0	32	16
PHY21101L	Practical Physic (II)	30	1.5	0	30
CHM34402T	Physical Chemistry (II)	48	3.0	48	0
CHM3301L	Practical Chemistry (IV)	32	1.5	0	32
MEE11400T	Engineering Graphics	48	3.0	42	0
EEE11300E	Applied Electrotechnics	40	2.5	32	8
	Total		<b>19.5</b>		
<b>Selective Courses</b>					
CHM22400T	Analytical Chemistry	48	3.0	48	0
ECE45201T	New Energy Engineering	32	2.0	32	0
ENV48100T	Introduction to Renewable Energy	24	1.5	24	0

MEE22201T	Engineering Mechanics	32	2.0	32	0
CHE20400C	Graphical and Data Computer Processing for Chemical Engineering I	48	3.0	32	0
MAT25500T	Probability and Statistics	56	3.5	56	0
CHE46100T	Chemical Technology	24	1.5	24	0
ENV48201T	Environmental Economics	32	2.0	32	0
BIO11200T	Basis of Biochemistry	32	2.0	32	0
	Total		<b>20.5</b>		

### Year 2 (Semester 3 Summer School)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
<b>Core Courses</b>					
ENV49000T	Environmental Engineering Seminar	16	1.0	16	0
ENV29301P	Advanced practicum	2W	2.0	0	0
	Total		3.0		
<b>Selective Courses</b>					
ENV22200T	Environmental Chemistry	32	2.0	32	0
CHE40101T	Scientific Research Method	16	1	16	0
	Total		<b>3.0</b>		