

Studying Energy Engineering at BUCT

Year 1 (Semester 2)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
ENG11604T	College English C	64	4	64	0
MAT13A00T	Advanced Mathematics I	98	6	98	0
PHE10000E	Military Theory	36	1	24	12
PHE10001T	Physical Education I	32	1	32	0
MXI12200E	Brief Introduction of Chinese Modern History	32	2	24	8
CHM10700T	Fundamental Chemistry	72	4.5	72	0
CHM11200L	Practical Chemistry I	38	2	0	38
HSS18000T	College student mental and physical health	18	1	12	6
	Total		21.5		
Selective Courses					
	General Education Curriculum		6		
CSE10300C	Basic Computing *	40	2.5	20	0
	Total		9.5		

Year 1 (Semester 2)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
MXI11400E	Cultivation of ethics and fundamentals of law	48	3	32	16
ENG11605T	College English B	64	4	64	0
MAT13A01T	Advanced Mathematics II	98	6	98	0
PHE10002T	Physical Education II	32	1	32	0
PHY11600T	General Physics I	64	4	64	0

MEE11200T	Chemical Engineering Graphing	32	2	32	0
CHM11100L	Practical Chemistry II	32	1.5	0	32
CHM13300T	Organic Chemistry	40	2.5	40	0
PHE19000P	Military Training	2weeks	1	0	0
	Total		25		
Selective Courses					
	Total		1		

Year 1 (Semester 3 Summer School)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
ECE20001E	Introduction of Energy Chemical Engineering	16	1	8	8
	Total		1		
Selective Courses					
CHE49000T	Brief introduction of modern Chemical Technology	16	1	16	0
	Total		1		

Year2 (Semester 1)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
ENG22604T	College English A	64	4	64	0
MXI22901E	Introduction to Mao Zedong Thought and theoretical system of socialism with Chinese characteristics	96	6	64	32
PHE20000T	Physical Education III	32	1	32	0
PHY21601T	General Physics II	64	4	64	0
PHY11100L	Practical Physics I	30	1.5	0	30
MAT11500T	Linear Algebra	56	3.5	56	0
CHM33301L	Practical Chemistry III	48	2.5	0	48
CHM34400T	Physical Chemistry I	48	3	48	0
CSE14302C	C Programming	40	2.5	24	0
	Total		27.5		
Selective Courses					
MEE16400T	Fundamental Chemical Engineering Machinery	48	3	46	2
CSE14201C	Visual Basic Programming **	32	2	16	0
	Total		5		

Year2 (Semester 2)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
EEE11300E	Applied Electrotechnics	40	2.5	32	8
MXI21400E	Basic Principles of Marxism	48	3	32	16
PHE20001T	Physical Education IV	32	1	32	0
PHY21101L	Practical Physics II	30	1.5	0	30
CHM33100L	Practical Chemistry IV	32	1.5	0	32
CHM34402T	Physical Chemistry II	48	3	48	0
MEE29101P	Metal Technology Practice	2 周	2	0	0
	Total		18.5		
Selective Courses					
MAT25500T	Probability and Statistics **	56	3.5	56	0

CHE20400C	Graphical and Data Computer Processing for Chemical Engineering I	48	3	32	0
CHM22400T	Instrumental Analysis	48	3	48	0
ENV48100T	Environmental Protection and Green Technology	24	1.5	24	0
MEE22201T	Engineering Mechanics	32	2	30	2
	Total		13		

Year2 (Semester 3 Summer School)

Course Code	Course Title	Period (Hour)	Credits	Lecture (Hour)	Lab (Hour)
Core Courses					
CHE29301P	Practicum	2 weeks	2	0	0
	Total		3		