

**FIRST YEAR****First Semester**

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS
PHYS105	GENERAL PHYSICS I	4	3	2	6
MATH119	CALCULUS WITH ANALYTIC GEOMETRY	5	4	2	7
BIOL107	CONCEPTS IN BIOLOGY	3	3	0	5
CENG240	PROGRAMMING WITH PYTHON FOR ENGINEERS	3	2	2	4
FDE101	INTRODUCTION TO FOOD ENGINEERING	1	1	0	2
ENG101	ENGLISH FOR ACADEMIC PURPOSES I	4	4	1	6
OHS101	OCCUPATIONAL HEALTH AND SAFETY-I	0	0	0	2
IS100	INTRODUCTION TO INFORMATION TECHNOLOGIES AND APPLICATIONS	0	0	2	1

<b>Semester Total:</b>	<b>33</b>	<b>33</b>
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**Second Semester**

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS
PHYS106	GENERAL PHYSICS II	4	3	2	6
CHEM107	GENERAL CHEMISTRY	4	3	2	6
MATH120	CALCULUS OF FUNCTIONS OF SEVERAL VARIABLES	5	4	2	7,5
BA100	CAREER PLANNING	0	1	0	2
ME105	COMPUTER AIDED ENGINEERING GRAPHICS	3	2	2	5
ENG102	ENGLISH FOR ACADEMIC PURPOSES II	4	4	1	6
<b>Semester Total:</b>	<b>32,5</b>	<b>32,5</b>			

**SECOND YEAR****Third Semester**

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS
CHEM229	ORGANIC CHEMISTRY FOR ENGINEERS	4	3	2	6
MATH219	INTRODUCTION TO DIFFERENTIAL EQUATIONS	4	4	0	7
FDE201	MATERIAL AND ENERGY BALANCES	4	4	0	7
ENG211	ACADEMIC ORAL PRESENTATION SKILLS	3	3	1	4
Any 1 of the following set ..					
HIST2201		0	2	0	2

HIST2205	HISTORY OF THE TURKISH REVOLUTION I	0	2	0	2
	FREE ELECTIVE				5
<b>Semester Total:</b>					<b>33</b>
					<b>31</b>

**Fourth  
Semester**

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS
CHEM230	ANALYTICAL CHEMISTRY FOR ENGINEERS	4	3	2	6
ECON210	PRINCIPLES OF ECONOMICS	3	3	0	5
CHE204	THERMODYNAMICS I	4	4	0	7
FDE224	FOOD ENGINEERING OPERATIONS I	4	4	0	7
Any 1 of the following set ..					
HIST2202		0	2	0	2
HIST2206	HISTORY OF THE TURKISH REVOLUTION II	0	2	0	2
	RESTRICTED ELECTIVE				5
<b>Semester Total:</b>					<b>34</b>
					<b>32</b>

**THIRD  
YEAR**

Fifth Semester

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS
ES303	STATISTICAL METHODS FOR ENGINEERS	3	3	0	5
FDE300	SUMMER PRACTICE I	0	0	0	5
FDE305	FOOD MICROBIOLOGY LAB.	1	0	2	1
FDE311	FOOD MICROBIOLOGY	3	3	0	5
FDE313	FOOD CHEMISTRY	4	4	0	7
FDE321	FOOD ENGINEERING OPERATIONS II	4	4	0	7
OHS301	OCCUPATIONAL HEALTH AND SAFETY - II	0	0	0	2
Any 1 of the following set ..					
TURK105	TURKISH I	0	4	0	2
TURK201	ELEMENTARY TURKISH	0	2	0	2
TURK303	TURKISH I	0	2	0	2
<b>Semester Total:</b>					<b>35</b>
					<b>34</b>

## Sixth Semester

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	New ECTS	
CHE423	CHEMICAL ENGINEERING ECONOMICS	3	3	0	5	
FDE310	FOOD MATERIALS LAB.	1	0	2	1	
FDE314	PHYSICAL PROPERTIES OF FOOD MATERIALS	3	3	0	5	
FDE320	APPLIED KINETICS	3	3	0	5	
FDE324	FOOD ENGINEERING OPERATIONS III	4	4	0	7	
Any 1 of the following set ..						
TURK106	TURKISH II	0	4	0	2	
TURK202	INTERMEDIATE TURKISH	0	2	0	2	
TURK304	TURKISH II	0	2	0	2	
	TECHNICAL ELECTIVE				5	
<b>Semester Total:</b>					<b>32</b>	<b>30</b>

**FOURTH YEAR**

## Seventh Semester

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS	
FDE400	SUMMER PRACTICE II	0	0	0	5	
FDE413	FOOD TECHNOLOGY	3	3	0	5	
FDE425	FOOD ENGINEERING DESIGN	4	2	4	8	
	TECHNICAL ELECTIVE				5	
	TECHNICAL ELECTIVE				5	
	NONTECHNICAL ELECTIVE				5	
<b>Semester Total:</b>					<b>36</b>	<b>33</b>

## Eighth Semester

Course Code	Course Name	METU Credit	Contact (h/w)	Lab (h/w)	ECTS	
FDE416	FOOD ENG. OPERATIONS LAB.	3	1	4	8	
FDE426	FOOD PRODUCT AND PLANT DESIGN	3	1	4	7	
	TECHNICAL ELECTIVE				5	
	TECHNICAL ELECTIVE				5	
	NONTECHNICAL ELECTIVE				5	
<b>Semester Total:</b>					<b>33</b>	<b>30</b>
<b>Program Total:</b>					<b>268,5</b>	<b>255,5</b>