

COURSE STRUCTURE

2025-10153 Food engineering (AZ) Bachelor

1						2					
No	Course code	Title	Th	Pr	Ects	No	Course code	Title	Th	Pr	Ects
1	QM 101	Introduction to the specialty	2	1+0	4	1	KM 128	Organic Chemistry	2	1+1	5
2	RİY 137	Linear algebra and analytic geometry	2	1+0	4	2	AZD 140	Official and Academic Communication in the Azerbaijani language	0	2+0	4
3	MM 120	Civil Defence	3	0+0	3	3	FİZ 140	Fundamentals of Physics	2	1+1	6
4	TRX 111	History of Azerbaijan	2	2+0	5	4	RİY 134	Mathematical analysis- 1	2	1+0	5
5	KM 127	General Chemistry	2	2+1	6	5	XXX XXX	[NAE] Foreign language II	0	6+0	7
6	XXX XXX	[NAE] Foreign language I	0	6+0	8	6	XXX XXX	[NAE] Non-Area Elective Course I #1	2	1+0	3
Subtotal: 30						Subtotal: 30					

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№	Course code	Title	Th	Pr	Ects
1	FİZ 149	Applied Physics	2	1+1	5
2	RİY 233	Mathematical analysis- 2	2	1+0	3
3	QM 203	Food microbiology	2	2+1	7
4	KM 279	Analytical chemistry	2	1+1	5
5	QM 201	Food chemistry	2	1+0	4
6	XXX XXX	[AE] Specialization elective subject I #1	2	1+0	6

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	RİY 255	Applied mathematics	2	1+0	4
2	QM 204	Biochemistry of food products	2	2+1	7
3	QM 202	Food refrigeration technology	2	2+2	8
4	XXX XXX	[NAE] Non-Area Elective Course II #2	1	1+0	3
5	XXX XXX	[AE] Specialization elective subject II #2	2	1+0	5
6	XXX XXX	[AE] Specialization elective subject III #3	2	1+0	3

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	MEX 329	Computer Aided Engineering Graphics	2	1+0	4
2	QM 301	Food products safety	3	2+0	6
3	QM 305	Nutrition and Health in Food Engineering	3	2+0	7
4	QM 303	Health and safety	2	1+0	4
5	XXX XXX	[AE] Specialization elective subject IV #4	2	1+0	4
6	XXX XXX	[AE] Specialization elective subject V #5	2	1+0	5

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
1	QM 304	Technological operations in the food industry	2	1+0	4
2	QM 302	Technical and chemical control of food product quality	2	1+0	4
3	XXX XXX	[AE] Specialization elective subject VI #4	2	1+0	4
4	XXX XXX	[AE] Specialization elective subject VIII #8	2	1+0	4
5	XXX XXX	[AE] Specialization elective subject VII #7	2	1+0	5

Subtotal: 21

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№	Course code	Title	Th	Pr	Ects
1	QM 401	Technological design in the food industry	2	2+1	6
2	XXX XXX	[AE] Specialization elective subject IX #9	2	2+0	5
3	XXX XXX	[AE] Specialization elective subject XI #11	2	1+0	5
4	XXX XXX	[AE] Specialization elective subject XII #12	2	1+0	5
5	XXX XXX	[AE] Specialization elective subject XIII #13	2	1+0	4
6	XXX XXX	[AE] Specialization elective subject X #10	2	2+0	5

Subtotal: 30

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№	Course code	Title	Th	Pr	Ects
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Subtotal: 0

Total ECTS credits: **201**

AE - Area Elective Courses

№	Course code	Title	Th	Pr	Ects
1	QM 207	Statistics for food engineers	2	1+0	6

2	QM 205	Gıda mühendisleri için olasılık teorisi	2	1+0	6	
3	QM 208	Plant product storage and processing technology	2	1+0	5	
4	QM 206	Laboratory tests of food products	2	1+0	5	
5	QM 210	Technology of meat and meat products	2	1+0	3	
6	QM 212	Confectionery technology	2	1+0	3	
7	QM 307	Water disinfection, purification and analysis	2	1+0	4	
8	QM 306	Mass and heat transfer	2	1+0	5	
9	QM 308	Material and energy balance	2	1+0	5	
10	QM 312	Milk and dairy product technology	2	1+0	4	
11	QM 310	Food packaging	2	1+0	4	
12	QM 405	Technology of alcoholic and non-alcoholic beverages	2	2+0	5	
13	QM 403	Winemaking and fermentation production technology	2	2+0	5	
14	QM 407	Technology of bread, pasta and flour confectionery products	2	2+0	5	
15	QM 409	Fish products technology	2	2+0	5	
16	QM 413	Fluid mechanics	2	1+0	5	
17	QM 411	Renewable energy resources in the food industry	2	1+0	5	
18	QM 415	Food waste and its management	2	1+0	5	
19	QM 417	Separation processes in the food industry	2	1+0	5	
20	QM 421	Oil technology	2	1+0	4	
21	QM 419	Biopolymers and macromolecules in the food industry	2	1+0	4	

<i>NAE - Non-Area Elective Courses</i>						
No	Course code	Title	Th	Pr	Ects	
1	İT 198	Information technologies	2	1+0	3	
2	İT 196	Information management	2	1+0	3	
3	Bİ 108	Principles of Entrepreneurship and Introduction to Business	1	1+0	3	
4	SOS 150	Introduction to Multiculturalism	1	1+0	3	
5	FEL 159	Philosophy	1	1+0	3	
6	HUQ 110	Constitution of Republic of Azerbaijan and Fundamentals of Law	1	1+0	3	
7	SOS 180	Ethics and aesthetics	1	1+0	3	
8	ENG 131	Official and Academic Communication in English- 1	0	6+0	8	
9	ENG 132	Official and Academic Communication in English- 2	0	6+0	7	

