Curriculum of Food Engineering Technology (2020)

		Course			Required, Elective, or a Selective Elective[2]	*Curricular Area (Credit Hours)*				Last Two Terms the Course was Offered: Year and Semester, or Quarter	Average Section Enrollment for the last two terms the course was offered[1]
No.	Department / Faculty	Code	Number	Name		Math & Basic Sciences	Discipline Specific Topics	General Education	Other		
1.1	FET Department	PSKIL	2105603	Professional Skills for Engineers	R		2			Fall 2020	90
1.2	Student counseling and support center	SSKIL	2132001	Teamwork skills	R			2		Fall 2020	60 - 90
1.3	Center of national defense and physical education	DEDU1	2120501	National defense Education and Security 1	R				4	Fall 2020	60 - 90
1.4	Faculty of fundamental science	MATH1	2113431	Calculus 1	R	2				Fall 2020	60 - 90
1.5	Center of national defense and physical education	PEDU1	2120405	Physical education 1	R				2	Fall 2020	60 - 90
1.6	Faculty of Political Theories	MAXLE	2112012	Philosophy of Marxism and Leninism	R			3		Fall 2020	60 - 90
1.7	Faculty of Political Theories	MAXLE	2112013	Political Economics of Marxism and Leninism	R				2	Fall 2020	60 - 90
2.1	Faculty of Law	GLAWS	2131472	Introduction to Laws	R			2		Spring 2021	60 - 90
2.2	Faculty of foreign languages	ENGL1	2111250	English 1	R			3		Spring 2021	60 - 90
2.3	Faculty of fundamental science	MATH2	2113432	Calculus 2	R	2				Spring 2021	60 - 90
2.4	Center of national defense and physical education	PEDU2	2120406	Physical Education 2	R				2	Spring 2021	60 - 90
2.5	Center of national defense and physical education	DEDU2	2120502	National Defense Education and Security 2	R				4	Spring 2021	60 - 90
2.6	Faculty of Political Theories	RVCP	2112014	Scientific Socialism	R				2	Spring 2021	60 - 90
2.7	Department of Biotechnology	SELEC1.1	2105550	General Biology	SE	3				Spring 2021	60 - 90
2.7	Department of Biotechnology	SELEC1.2	2104610	General Chemistry	SE					Spring 2021	60 - 90
2.7	Faculty of fundamental science	SELEC1.3	2113500	Engineering Physics	SE					Spring 2021	60 - 90

2.8	Faculty of fundamental science	SELEC2.4	2113434	Applied Mathematics	SE	3				Spring 2021	60 - 90
2.8	Faculty of fundamental science	SELEC2.5	2113436	Complex Analysis and Laplace Transforms	SE					Spring 2021	60 - 90
2.8	Faculty of fundamental science	SELEC2.6	2113435	Numerical Methods	SE					Spring 2021	60 - 90
2.8	Faculty of fundamental science	SELEC2.7	2113437	General Physics	SE					Spring 2021	60 - 90
2.8	Faculty of fundamental science	SELEC2.8	2113438	Logics	SE					Spring 2021	60 - 90
3.1	Faculty of fundamental science	MATH3	2113450	Calculus 3	R	2				Fall 2021	60 - 90
3.2	Department of Biotechnology	MBIOL	2105707	Microbiology	R	3				Fall 2021	50 - 80
3.3	Faculty of Foreign languages	ENGL2	2111300	English 2	R			3		Fall 2021	50 - 80
3.4	FET Department	FENG1	2105640	Food Engineering 1	R		3			Fall 2021	50 - 80
3.5	Faculty of Chemical Engineering	ACHEM	2104481	Analytical Chemistry	R	3				Fall 2021	50 - 80
3.6	Department of Biotechnology	BCHEM	2105840	Biochemistry	R	3				Fall 2021	50 - 80
3.7	Faculty of Political Theories	HVNCP	2112015	History of Vietnamese Communist Party	R				2	Fall 2021	50 - 80
3.8	Faculty of mechanical technology	SELEC3.1	2103454	Basic Technical Drawing	SE			2		Fall 2021	50 - 80
3.8	Faculty of mechanical technology	SELEC3.2	2103519	Engineering Mechanics	SE					Fall 2021	50 - 80
3.8	Faculty of Electrical engineering technology	SELEC3.3	2114656	Basic Electrical Engineering	SE					Fall 2021	50 - 80
4.1	FET Department	FPFET	2105608	Fundamental Processes in Food Engineering Technology	R		3			Spring 2022	50 - 80
4.2	Department of Food Quality Assurance and Food Safety	FANAL	2105606	Food Analysis	R		4			Spring 2022	50 - 80
4.3	FET Department	FENG2	2105607	Food Engineering 2	R		3			Spring 2022	50 - 80
4.4	FET Department	FCHEM	2105641	Food Chemistry	R		3			Spring 2022	50 - 80
4.5	Department of Biotechnology	FMICR	2105785	Food Microbiology	R		2			Spring 2022	50 - 80
4.6	Faculty of chemical engineering	SELEC4.1	2103417	Tolerance and Measurement Technique	SE		3			Spring 2022	50 - 80
4.6	Faculty of heat-refrigeration engineering	SELEC4.2	2118409	Fluid Mechanics	SE					Spring 2022	50 - 80
4.6	Faculty of heat-refrigeration engineering	SELEC4.3	2118401	Thermodynamics	SE					Spring 2022	50 - 80
4.7	Faculty of Trade and Tourism	SELEC5.1	2110585	General Psychology	SE			3		Spring 2022	50 - 80

4.7	Faculty of Fundamental Sscience	SELEC5.2	2113439	Sociology	SE					Spring 2022	50 - 80
4.7	Faculty of Trade and Tourism	SELEC5.3	2111401	Introduction to Vietnam culture	SE					Spring 2022	50 - 80
4.7	Faculty of Foreign Languages	SELEC5.4	2111402	Vietnamese Language in Use	SE					Spring 2022	50 - 80
4.7	Faculty of Political Theories	SELEC5.5	2112011	Music- Music theory and guitar basics	SE					Spring 2022	50 - 80
4.7	Faculty of Garment Technology-Fashion	SELEC5.6	2106529	Fine art	SE					Spring 2022	50 - 80
4.7	IT Center	SELEC5.7	2101727	Using keyboard and office equipment skills	SE					Spring 2022	50 - 80
5.1	Faculty of Political Theories	HCMI	2112005	Ho Chi Minh Ideology	R				2	Fall 2022	50 - 80
5.2	FET Department	F-ADD	2105612	Food Additives	R		3			Fall 2022	50 - 80
5.3	FET Department	FPROC	2105616	Food Processing Technology	R		4			Fall 2022	50 - 80
5.4	Department of Nutrition and Food Science	NUSAF	2105614	Nutrition and Food Safety	R		3			Fall 2022	50 - 80
5.5	Faculty of Fundamental Science	R-MET	2113433	Research Methodology	R		2			Fall 2022	50 - 80
5.6	Department of Food Quality Assurance and Food Safety	DANAL	2105916	Statistical Data Analysis	R	3				Fall 2022	50 - 80
5.7	FET Department	SELEC6.1	2105443	Food Physics	SE					Fall 2022	50 - 80
5.7	FET Department	SELEC6.2	2105729	Protein Technology	SE		3			Fall 2022	50 - 80
5.7	FET Department	SELEC6.3	2105841	Chemistry of Natural Compounds	SE					Fall 2022	50 - 80
6.1	FET Department	M-DES	2105620	Food Machine Design	R		3			Spring 2023	50 - 80
6.2	FET Department	FPACK	2105619	Food Packaging	R		2			Spring 2023	50 - 80
6.3	FET Department	SENSO	2105613	Sensory Evaluation of Food	R		3			Spring 2023	50 - 80
6.4	FET Department	SELEC7.1	2105734	Food Biotechnology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.2	2105629	Tropical Product Processing Technology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.3	2105631	Confectionery Manufacturing Technology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.4	2105630	Beverage Processing Technology	SE		9			Spring 2023	50 - 80
6.4	FET Department	SELEC7.5	2105633	Milk and Dairy Product Processing Technology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.6	2105632	Animal Husbandry and Aquatic Product Processing Technology	SE					Spring 2023	50 - 80

6.4	FET Department	SELEC7.7	2105732	Fermentation Technology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.8	2105628	Agricultural Product Processing Technology	SE					Spring 2023	50 - 80
6.4	FET Department	SELEC7.9	2105643	Sugar Manufacturing Technology	SE					Spring 2023	50 - 80
7.1	FET Department	PR-DES	2105440	Product Design and Development	R		2			Fall 2023	50 - 80
7.2	FET Department	PL-DES	2105625	Food Plant Design	R		3			Fall 2023	50 - 80
7.3	FET Department	QAFL	2105902	Food Quality Assurance and Food Law	R		3			Fall 2023	50 - 80
7.4	Faculty of heat-refrigeration engineering	SELEC8.1	2118415	Applied Refrigeration Engineering	SE		3			Fall 2023	50 - 80
7.4	Faculty of heat-refrigeration engineering	SELEC8.2	2118410	Drying Techniques	SE					Fall 2023	50 - 80
7.4	FET Department	SELEC8.3	2105937	Shelf-life Evaluation of Food	SE					Fall 2023	50 - 80
7.5	FET Department	SELEC9.1	2107483	Fundamentals of Management	SE			3		Fall 2023	50 - 80
7.5	Faculty of Business Administration	SELEC9.2	2107510	Business Administration	SE					Fall 2023	50 - 80
7.5	Faculty of accounting-auditing	SELEC9.3	2127481	Fundamental Accounting	SE					Fall 2023	50 - 80
7.5	Institute of environmental science, engineering, and management	SELEC9.4	2123800	Environment and Human	SE					Fall 2023	50 - 80
7.5	Faculty of Business Administration	SELEC9.5	2107492	Business Communications	SE					Fall 2023	50 - 80
7.5	Student counseling and support center	SELEC9.6	2132002	Planning skills	SE					Fall 2023	50 - 80
7.6	FET Department	SELEC10.1	2105414	Functional foods	SE		2			Fall 2023	50 - 80
7.6	FET Department	SELEC10.2	2105909	Food Toxicology	SE					Fall 2023	50 - 80
7.6	FET Department	SELEC10.3	2105746	Labour safety	SE					Fall 2023	50 - 80
8.1	FET Department	MSFPT	2105626	Modeling and Simulation in Food Processing Technology	R		3			Spring 2024	50 - 80
8.2	FET Department	FWTT	2105695	Food Waste Treatment Technology	R		3			Spring 2024	50 - 80
8.3	FET Department	INTERN	2105798	Internship	R		5			Spring 2024	1 - 15
8.4	FET Department	PR.DES-LAB	2105760	Product Design and Development Practice	R		2			Spring 2024	50 - 80
8.5	FET Department	SELEC11.1	2105447	Process and Operations Management	SE		2			Spring 2024	50 - 80
8.5	FET Department	SELEC11.2	2105461	Food Management	SE					Spring 2024	50 - 80
8.5	FET Department	SELEC11.3	2105623	Food Marketing	SE					Spring 2024	50 - 80

9.1	FET Department	THESIS	2105990	Graduate Thesis	R		8			Fall 2024	1 - 10
OVERALL TOTAL CREDIT HOURS						24	91	21	20		
PERCENT OF TOTAL, %						15.4	58.3	13.5	12.8		