THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

4-Year Course Plan — Catalog Year 2020-2021

FOOD BUSINESS MANAGEMENT MAJOR (A.S.) INTERESTED IN FOOD BUSINESS MANAGEMENT MAJOR (B.S.)

This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Food Business Management and a Bachelor of Science Degree in Agriculture with a major in Food Business Management. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.
NOTE: This sheet **should not** be used in isolation. **In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.**

Freshman Year (ATI)	**Autumn Semester**				**Spring Semester**			
Benchmarks	**Department**	**Course #**	**Course Name**	**Hours**	**Department**	**Course #**	**Course Name**	**Hours**
MATH 1148 should be completed by the end of this year.	AEDECON	2001	Principles of Food and Resource Economics [a]	3	AEDECON	2105	Managerial Records and Analysis	3
ENGLISH 1110 should be completed by the end of this year.	BUSTEC	1201T	Exploring Business	.5	BUSTEC	2231T	Fundamentals of Marketing	3
	BUSTEC	2232T	Personal Selling	3	CHEM	1110	Elementary Chemistry [a]	5
AEDECON 2001 and 2105 should be completed by the end of this year.	ENGLISH	1110.01	First-Year English Composition	3	HISTORY	1152	American Civilization Since 1877 [a]	3
	GENSTDS	1201.01T	College Orientation	.5				
Begin to consider a study abroad program.	MATH	1148	College Algebra	4				
			Total:	**14**			**Total:**	**14**

Sophomore Year (ATI)	**Autumn Semester**				**Spring Semester**			
Benchmarks	**Department**	**Course #**	**Course Name**	**Hours**	**Department**	**Course #**	**Course Name**	**Hours**
Biology and Chemistry requirements should be completed before Spring Semester.	AGRCOMM	3130	Oral Expression in Agriculture [a]	3	AGRCOMM	2367	Agricultural Issues in Contemp. Society [a]	3
	BIOLOGY	1113	Energy Transport and Development [a]	4	BUSTEC	2241T	Small Business Management	3
Apply to graduate from ATI at least one semester before the semester of your graduation.	BUSTEC	2244T	Human Resource Mgmt. & Leadership	3	BUSTEC	2249T	Fundamentals of Business Finance	3
Maintain at least a 2.0 cumulative GPA.	COMPSTD RELSTDS	2301 **or** 2370	Intro. to World Literature [a] Intro. to Comparative Religion [a]	3	MICRBIO	4000.01	Basic & Practical Microbiology	4
	MUSIC	2250	Music Cultures of the World [a]	3	RURLSOC	1500	Intro. Rural Sociology [a]	3
Graduate with Associate of Science Degree.			**Total:**	**16**			**Total:**	**16**
							Total credit hours for Associate of Science Degree:	**60**

Junior Year (Columbus)	**Autumn Semester**				**Spring Semester**			
Benchmarks	**Department**	**Course #**	**Course Name**	**Hours**	**Department**	**Course #**	**Course Name**	**Hours**
Internship should be completed by end of this summer.	FDSCTE	2200	Science of Food	3	FDSCTE	4536	Food Safety & Public Health	2
	FDSCTE	2400	Intro. to Food Science	3	FDSCTE	5320	Food Laws & Regulations	2
Apply to graduate from Columbus at least three semesters before the semester of your graduation.	FDSCTE	3400	Food Supply-Chain Equipment Operations	2	FDSCTE	4600	Food Composition and Function	2
	_____	_____	Data Analysis **or** Major Elective	3	_____	_____	Processing Option	3
	_____	_____	Lit/Cul&Ideas elective (course not taken at ATI)	3	FDSCTE	5710	Food Additives	2
	_____	_____	Major Elective	3	_____	_____	Major Elective	2
			Total:	**17**			**Total:**	**14**

Senior Year (Columbus)	**Autumn Semester**				**Spring Semester**			
Benchmarks	**Department**	**Course #**	**Course Name**	**Hours**	**Department**	**Course #**	**Course Name**	**Hours**
Maintain at least a 2.0 GPA in the major, minor, and cumulative.	FDSCTE	4191	Internship	1	_____	_____	Contemporary Issues	3
	FDSCTE	5310	Food Quality Assurance	3	_____	_____	Major Elective	3
Graduate with Bachelor of Science Degree.	FDSCTE	5330	Food Plant Mgmt.	2	_____	_____	Elective	3
	FDSCTE	5720 **or** 5730	Food Product Development Technical Problem Solving	3	_____	_____	Elective	3
	PHYSICS	1103 **or** 1200	World of Energy: Forces, Elect., Magnetism, Machines Mechanics, Kinematics, Fluids, Waves	3-5	_____	_____	Elective	1-3
	_____	_____	Elective	3				
			Total:	**15-17**			**Total:**	**13-15**
							Total credit hours for Bachelor of Science Degree:	**121**

[a] One possible course from approved CFAES GE list or B.S. major requirement that has multiple options, as outlined in corresponding *Degree Requirements* document.

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Degree Requirements **Catalog Year 2020-2021**

FOOD BUSINESS MANAGEMENT MAJOR (A.S.) INTERESTED IN FOOD BUSINESS MANAGEMENT MAJOR (B.S.)

This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S) Degree with a major in Food Business Management and a Bachelor of Science (B.S.) Degree with a major in Food Business Management. The tables below outline the complete degree requirements to earn a B.S. in Agriculture with a major in Food Business Management. The underlined courses are also the complete set of courses required in the A.S. Food Business Management major. These courses can count toward both degree programs simultaneously.

NOTE: This sheet **should not** be used in isolation. **In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.**

Table 1. Degree Requirements

Subject	Course Options	Hours	✓
Survey Courses	GENSTDS 1201.01T* **OR** FAES 1100 **and** BUSTEC 1201T* **OR** FDSCTE 1100	.5 .5	
Writing Level 1	ENGLISH 1110	3	
Writing Level 2	AGRCOMM 2367● *or other course from approved CFAES GE list.*[a]	3	
Oral Communication	AGRCOMM 3130 **or** COMM 2110	3	
Math 1	MATH 1148	4	
Data Analysis	COMLDR 3537 **or** HCS 2200 **or** AEDECON 2005 **or** ENR 2000 **or** ANIMSCI 2260 **or** STAT 1450	3	
Biological Science (with lab)	BIOLOGY 1113 **or** 1101	4	
Physical Science (with lab)	CHEM 1110 **or** 1210	5	
Additional Science	MICRBIO 4000.01	4	
Additional Science	PHYSICS 1200, 1103 or 1106	3-5	
Social Science 1	RURLSOC 1500● **or** SOCIOL 1101●	3	
Social Science 2	AEDECON 2001 **or** ECON 2001	3	
Historical Study	HISTORY 1152 *or other course from approved CFAES GE list.*[a]	3	
Culture & Ideas or Historical Study	RELSTDS 2370▲ *or other course from approved CFAES GE list.*[a]	3	
Literature	COMPSTD 2301▲ *or other course from approved CFAES GE list.*[a]	3	
Art	MUSIC 2250▲ *or other course from approved CFAES GE list.*[a]	3	
Minor [b]	*See Table 2.*	12-15	
Major	*See Table 3.*	36-43	
Contemporary Issues	*See approved CFAES GE list.*[a]	3	
Internship	FDSCTE 4191	1	
Electives	----------	1-18	
	Minimum Total Credit Hours	**121**	

[a] Available at www.cfaes.osu.edu/students
[b] Agribusiness, Business, or Entrepreneurship and Innovation minor is required for Food Business Management majors
* courses are only offered at the Wooster (ATI) Campus

Note: A capital **OR** separates a pair of *equivalent* courses, a lowercase **or** separates a choice between *different* courses that fulfill the same requirement

Additional Bachelor's Degree Requirements:

1. All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
2. A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
3. Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
4. Applications to graduate must be submitted at least three semesters in advance.

Table 2. Minor Requirements

Course(s)	Hours	✓
Minor in Agribusiness		
AEDECON 2105 Managerial Records and Analysis **or** ACCT&MIS 2200 Introduction to Accounting I	3	
BUSTEC 2241T* Small Business Management **OR** AEDECON 3101 Principles of Agribusiness Management	3	
BUSTEC 2231T* Fundamentals of Marketing **OR** AEDECON 3102 Principles of Agribusiness Marketing	3	
Electives in AEDECON (May include BUSTEC 2232T* Personal Selling)	3	
Total Agribusiness Minor Credit Hours	**12**	
Minor in Business		
ACCTMIS 2000 Foundations of Accounting and MIS	3	
BUSFIN 3120 Foundations of Finance	3	
BUSMGT 3130 Foundations of Operations Management	3	
BUSMHR 3100 Foundations of Mgt. and Human Resources	3	
BUSML 3150 Foundations of Marketing	3	
Total Business Minor Credit Hours	**15**	
Minor in Entrepreneurship and Innovation		
BUSMHR 3510 Innovation and Entrepreneurship	3	
DESIGN 2700 Introduction to Design Practice	3	
MECHENG 5682.02 Production Design Engineering for Entrepreneurs	3	
BUSADM 4510 Entrepreneurship and Innovation: Practicum	3	
Minor electives	3	
Total Entrepreneurship and Innovation Minor Credit Hours	**15**	

Table 3. Major Requirements

Course(s)	Hours	✓
FDSCTE 2200 Science of Food	3	
FDSCTE 2400 Introduction to Food Science	3	
FDSCTE 3400 Food Supply-Chain Equipment Operations	2	
FDSCTE 4536 Food Safety & Public Health	2	
FDSCTE 4600 Food Composition and Function	2	
FDSCTE 5310 Food Quality Assurance	3	
FDSCTE 5320 Food Laws & Regulations	2	
FDSCTE 5330 Food Plant Management	2	
FDSCTE 5710 Food Additives	2	
FDSCTE 5720 Food Product Development (capstone course) **or** FDSCTE 5730 Technical Problem Solving (capstone course)	3	
Processing Option (choose one of the following): FDSCTE 5410 Processing Fruit & Vegetable Products **or** FDSCTE 5420 Dairy Processing **or** FDSCTE 5430 Food Fermentations **or** FDSCTE 5450 Food Packaging **or** MEATSCI 4510 Processed Meats	 3 3 3 3 3	

FOOD BUSINESS MANAGEMENT MAJOR (A.S.) INTERESTED IN FOOD BUSINESS MANAGEMENT MAJOR (B.S.)

Table 3. Major Requirements (continued)

Course(s)	Hours	✓
Business Related Major Electives (minimum 2 courses):		
BUSTEC 2249T* Fundamentals of Business Finance	3	
OR AEDECON 3103 Principles of Agribusiness Finance	3	
BUSTEC 2248T* Introduction to Cooperatives [b]	2	
OR AEDECON 3141 Agricultural Cooperatives	2	
BUSTEC 2244T* Human Resource Mgmt. and Leadership	3	
OR AEDECON 3160 Human Resource Mgt. in Small Business	2	
AEDECON 4340 Project Mgt. for Sustain. & Applied Economics	2	
BUSFIN 3120 Foundations of Finance (if not part of minor)	3	
BUSFIN 3500 Legal Environment of Business	1.5	
BUSMGT 3130 Found. of Operations Mgt. (if not part of minor)	3	
BUSMHR 2000 Introduction to International Business	1.5	
BUSMHR 2210 Personal Leadership & Team Effectiveness	3	
BUSMHR 2500 Entrepreneurship	3	
BUSMHR 3100 Found.of Mgt. & Human Res. (if not part of minor)	3	
BUSMHR 3300 Managing Human Resources	3	
BUSMHR 3510 Innovation & Entrepreneurship (if not part of minor)	3	
BUSMHR 5530 Social Entrepreneurship (if not part of minor)	3	
BUSML 3150 Foundations of Marketing (if not part of minor)	3	
BUSML 3250 Principles of Marketing	3	
BUSML 3380 Logistics Management	1.5	
COMM 2131 Business and Professional Speaking	3	
COMM 3330 Communication and Conflict Management	3	
COMM 3331 Communication and Decision Making	3	
ECON 2002.01 **OR** 2002.03H Principles of Macroeconomics	3	
PUBAFRS 5890 US Food Policy	3	
Food-Related Major Electives (minimum 2 courses):		
FDSCTE 2410 Brewing Science	2	
FDSCTE 4410 Hazard Analysis & Critical Control Pts. (HACCP)	2	
FDSCTE 4597.01 Alcohol and Society	3	
FDSCTE 4597.02 Food & Health Controversies in the 21st Century	3	
FDSCTE 4999 **OR** 4999H Research with Distinction	1-3/1-5	
FDSCTE 5410 Processing Fruit & Vegetable Products (if not taken as a major requirement)	3	
FDSCTE 5420 Dairy Processing (if not taken above)	3	
FDSCTE 5430 Food Fermentations (if not taken above)	3	
FDSCTE 5450 Food Packaging (if not taken above)	3	
FDSCTE 5500 Measurement of Food Preparation and Liking	3	
FDSCTE 5720 Food Product Development (if not taken above)	3	
FDSCTE 5730 Technical Problem Solving (if not taken above)	3	
MEATSCI 3110 Introductory Meat Science	3	
MEATSCI 4510 Processed Meats (if not taken above)	3	
MEATSCI 5510 Advanced Meat Science	3	
MEATSCI 5810 Branded Meat Products	3	
Total Major Credit Hours	**36-43**	