

ADVISING FORM FOR SAGE B.S. Packaging and M.S. Nutritional Science with Objective in Packaging

Name: _____ ID#: _____ Advisor: _____
 Street Address: _____ Phone: _____
 City, State, Zip: _____ Email: _____

CORE SUPPORT COURSE (26 UNITS)

Subject Area/Catalog #	Units	Course Title	GE Areas ²	Semester Offered	Sem/Yr or Grade
Chem 30A	4	Intro to Chemistry	5A + 5C	F,S	_____
Chem 30B	3	Organic Chemistry		S	_____
NUFS 100W	3	Writing Workshop	WID	F,S	_____
Math 70	3	Finite Math	2	F,S	_____
Math 71	3	Calc for Bus/Aviat	2	F,S	_____
Phys 2A	4	Fund of Physics	5A + 5C	F,S	_____
Stat 95 or PH 67	3	Statistics	2	F,S	_____
Psych 1	3	Intro to Psychology	4	F,S	_____

CORE MAJOR COURSES (13 UNITS)

NuFS 8	3	Nutrition Health Prof		F,S	_____
NuFS 31	1	Professionalism NuFS		F,S	_____
NuFS 151	2	Food Microbiology		F,S	_____
NuFS 192	4	Field Experience		F,S	_____
Pkg 107	3	Principles of Pkg		F,S	_____

MAJOR COURSES (39 UNITS)

NuFS 103	2	Food Process & Pkg I		F,S	_____
NuFS 103L	1	Food Proc & Pkg lab		F,S	_____
NuFS 139	3	Hunger & Environ Nutri	GE UD 2/5	F,S	_____
PKG 120	3	Artios CAD for Packaging		F	_____
PKG 121*	3	Solidworks for Packaging		S	_____
PKG 141A	3	Packaging Materials I		F	_____
PKG 141B	3	Packaging Materials II		S	_____
PKG 146	3	Medical Device Pkg		F	_____
PKG 156	3	Packaging Machinery		S	_____
PKG 158*	3	Protective Pkg Dsgn & Test		S	_____
PKG 159	3	Pkg Materials Hand & Distrib		F	_____
PKG 160*	3	Hazardous Materials Pkg		F	_____
PKG 169	3	Food Pack & Preservation		S	_____
PKG 170	3	Pkg Development & Mgmt		S	_____

UNIVERSITY ELECTIVES (SELECT 10 UNITS)

Or by Advisement _____

Notes:

¹Courses fulfill requirements for General Education (GE) Areas as specified

²NuFS 139 requires co-requisite of NUFS 100W; meets GE UD 2/5.

*Grade of B or better in PKG 121, PKG 158, PKG 160 will double count as graduate level courses for the SAGE Program

ADVISING FORM FOR SAGE B.S. PACKAGING and M.S. IN NUTRITIONAL SCIENCE (with OBJECTIVE IN PACKAGING)

The following road map is an advising tool that outlines a path of courses a student can take to complete requirements for graduation. This roadmap should be used in consultation with the catalog and your department to identify additional requirements for completing the major (for example course grade minimums).

Students must have 60+ units in order to take SJSU Studies courses.

Fall Semester – Year 1

<u>Course or Requirement</u>	<u>Units</u>
Eng 1A First Year Writing (Area 1A)	3
Math 70 Finite Math (Area2)	3
Chem 30A Intro to Chem (Area 5A+5C)	4
NuFS 31 Profession in NuFS/Pkg	1
Stat 95 or PH 67 Area (2)	3
Physical Education	1
	<hr/> 15

Spring Semester Year 1

<u>Course or Requirement</u>	<u>Units</u>
Math 71 Calculus for Bus/Aviation (Area2)	3
Chem 30B Intro Chem	3
General Education (Area 4 +US 1 or US 2-3)	3
NUFS 8 Nutrition Health Prof	3
Psyc 1 Intro to Psych (Area 4)	3
	<hr/> 15

Fall Semester – Year 2

<u>Course or Requirement</u>	<u>Units</u>
NuFS 40 Debunk Nutr Misinf (Area 1B)	3
General Education (Area 3A)	3
General Education (Area 3B + US 1 or US 2-3)	3
Physics 2A (Area 5A+5C)	4
Comm 20 Public Speaking (Area 1C)	3
*** <u>(Complete Directed Self Placement)</u> ***	
	<hr/> 16

Spring Semester Year 2

<u>Course or Requirement</u>	<u>Units</u>
University Electives	6
General Education (Area 5B)	3
General Education (Area 6)	3
Physical Education	1
University Elective (Rec. NuFS 155)	3
	<hr/> 16

Fall Semester – Year 3

<u>Course or Requirement</u>	<u>Units</u>
Pkg 107 Packaging ¹	3
Pkg 120 Artios CAD for Packaging	3
Pkg 141A Packaging Materials I	3
NuFS 103 Food Processing & Pkg I	2
NuFS 103 Food Processing & Pkg Lab	1
NUFS 100W Written Comm II (WID)	3
	<hr/> 15

Spring Semester Year 3 (Semester Students apply to SAGE)

<u>Course or Requirement</u>	<u>Units</u>
NuFS 151 Food Microbiology	2
GE UD 3 (Recommend NuFS 144)	3
Pkg 121 Solidworks for Packaging	3
Pkg 141B Packaging Materials II	3
NuFS 139 Hunger & Env. Nutr (GE UD 2/5)	3
**Apply to Graduate	
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Fall Semester – Year 4

<u>Course or Requirement</u>	<u>Units</u>
Pkg 146 Medical Device Pkg I	3
Pkg 158 Protective Pkg & Dsgn	3
Pkg 160 Hazardous Materials Packaging	3
GE UD 4 (Rec. NuFS 134)	3
Pkg 156 Pkg Machinery Systems	3
Pkg 201 Colloquium in NuFS & PKG	3
	<hr/> 18

Spring Semester Year 4

<u>Course or Requirement</u>	<u>Units</u>
Pkg 159 Pkg Materials Hand & Distribl	3
Pkg 169 Food Pkg & Preservation ¹	3
Pkg 170 Packaging Design Management	3
NuFS 192 Field Experience	4
University Elective (Rec. NuFS 180)	1
Pkg 295 Research Methodology	3
	<hr/> 17

Course or RequirementFall

<u>Course or Requirement</u>	<u>Units</u>
Pkg 217 Issues in Nutr, FS & Pkg	3
MS Electives	6
	<hr/> 9

Course or Requirement

<u>Course or Requirement</u>	<u>Units</u>
NuFS 257 Biostatistics	3
Pkg 298 Project	3
MS Electives	3
	<hr/> 9

Notes:
 NuFS 139 co-requisite of NUFS 100W; meets GE UD 2/5.
 **A grade of B or better is required in the three courses PKG 121 Solidworks for Packaging, PKG 158 Protective Pkg Design & Test and PKG 160 Hazardous Materials Packaging to be double counted for the SAGE program. Students who receive a passing grade (e.g., C- or higher) in PKG 121, PKG 158, and PKG 160, but don't earn a B minimum to satisfy the graduate coursework requirement will be required to take graduate electives*;

SAGE B.S. Packaging and M.S. Nutritional Science

SAGE Program B.S. Packaging and M.S. Nutritional Science with Objective in Packaging	Units
Core	12
PKG 201 Colloquium in Nutrition, Food Science, and Packaging	3
PKG 217 Issues in Nutrition, Food Science and Packaging	3
NuFS 257 Biostatistics in Research	3
PKG 295 Research Methodology	3
Required Electives	9
Choose Three Electives Course:	
PKG 268- Advanced Laboratory Testing and Analysis	3
PKG 270 - Package Design for End Use	3
Undergraduate Courses Double Count	6
Choose Two Courses:	
PKG 121 Solidworks for Packaging	3
PKG 158 Protective Pkg Design & Test	3
PKG 160 Hazardous Materials Packaging	3
Project	3
PKG 298 MS Project or Comprehensive Exam	3
Total	30

Spartan Accelerated Graduate Education (SAGE) Program Roadmap¹

Combined Program: 144		With Packaging	
Total Units to Degree: 144		144 minimum units ²	
Academic Year: 2025-2026		2025-2026	
BA Requirements – Blue	Graduate Courses taken @ UGRD level - Green	Masters only Requirements – Orange	
Fall Semester Year 1		Spring Semester Year 1	
Course	Units	Course	Units
Eng 1A First Year Writing (Area 1A)	3	Math 71 Calculus for Bus/Aviation (Area 2)	3
Math 70 Finite Math (Area 2)	3	Chem 30B Intro Chem	3
Chem 30A Intro to Chem (Area 5A+5C)	4	General Education (Area 4 +US 1 or US 2-3)	3
NuFS 31 Profession in NuFS/Pkg	1	NUFS 8 Nutrition Health Prof	3
Stat 95 or PH 67 Statistic (Area 2)	3	Psyc 1 Intro to Psych (Area 4)	3
Physical Education	1		
Total Units	15	Total Units	15
Fall Semester Year 2 [Take the WST*]		Spring Semester Year 2	
Course	Units	Course	Units
NuFS 40 Debunk Nutr Misinf (Area 1B)	3	University Elective	6
General Education (Area 3A)	3	University Elective (Rec. NuFS 155)	3
General Education (Area 3B + US 1 or US 2-3)	3	General Education (Area 5B)	3
Physics 2A (Area 5A+5C)	4	General Education (Area 6)	3
Comm 20 Public Speaking (Area 1C)	3	Physical Education	1
Directed Self Placement			
Total Units	16	Total Units	16
Fall Semester Year 3		Spring Semester Year 3 Four-year or transfer student applies to BS/BA + MS/MA program.	
Course	Units	Course	Units
Pkg 107 Packaging ¹	3	NuFS 151 Food Microbiology	2
Pkg 120 Artios CAD for Packaging	3	GE UD 3 (Recommend NuFS 144)	3
Pkg 141A Packaging Materials I	2	Pkg 121 Solidworks for Packaging	3
NuFS 103 Food Processing & Pkg I	1	Pkg 141B Packaging Materials II	3
NuFS 103 Food Processing & Pkg Lab	3	NuFS 139 Hunger & Env. Nutr.2 (GE UD 2/5)	3
NUFS 100W Written Comm II (WID)	3	**Apply to Graduate	
Total Units	15	Total Units	14
Fall Semester Year 4 Student admitted to BS/BA + MS/MA program.		Spring Semester Year 4	
Course	Units	Course	Units
Pkg 146 Medical Device Pkg I	3	Pkg 159 Pkg Materials Hand & Distrib ¹	3
Pkg 158 Protective Pkg & Dsgn	3	Pkg 169 Food Pkg & Preservation ¹	3
Pkg 160 Hazardous Materials Packaging	3	Pkg 170 Pkg Dsgn Mgt ¹	3
GE UD 4 (Recommend NuFS 134)	3	NuFS 192 Field Experience	4
Pkg 156 Pkg Machinery Systems	3	University Elective (Rec. NuFS 180)	1
		PKG 295 Research Methods	3
PKG 201 Colloquium in NuFS & PKG	3		
Total Units	18	Total Units	17
Fall Semester Year 5 BS/BA degree posted.		Spring Semester Year 5	
Course	Units	Course	Units
PKG 217 Issues in Nutr, FS & Pkg	3	NuFS 257 Biostatistics	3
MS Electives (PKG 268, PKG 270)	6	PKG 298 Project	3
		MS Electives (PKG 268, PKG 270)	3
Total Units	9	Total Units	9

¹ Reference CSU Coded Memorandum [AA-2012-01](#), University Policy [F19-1](#), [DRAFT SAGE Scholars Application](#) (to be developed as an online application). The roadmap must include at least one semester in which students enroll in a combination of undergraduate and graduate courses.

² The CSU is considering a proposal to allow 9-12 units of double counting between the baccalaureate and master's degree.

*A grade of B or better is required in the two courses PKG 121 Solidworks for Packaging, PKG 158 Protective Pkg Design & Test and PKG 160 Hazardous Materials Packaging to be double counted for the SAGE program.