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		Ś	
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 or Math 15	3	Statistics	2	F,S	
Psych 1	3	Intro to Psychology		F,S	
<u>CORE MAJOR COURSES (13 U</u>	<u>NITS)</u>				
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

SAGE Program B.S. Packaging and M.S. Nutritional Science with Objective in Packaging	Units
Core	12
NuFS 201 Colloquium in Nutrition, Food Science, and Packaging	3
NUFS 217 Issues in Nutrition, Food Science and Packaging	3
NuFS 257 Biostatistics in Research	3
NuFS 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
DATA 230 - Data Visualization	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
NuFS 298 MS Project or Comprehensive Exam	3
Total	30

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

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.

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Fall Semester – Year 1 <u>Course or Requirement</u>	<u>Units</u>	Spring Semester Year 1 <u>Course or Requirement</u>	<u>Units</u>
Chem 30A. Intro to Chem (Area 5A+SC) 4 General Education (Area 3B) 3 NuFS 31 Profession in NuFSPRg 1 Physics 2A (SA+SC) 4 Stat 95 or HS 67 Statistic or Math 15 (Area 2) 3 NUFS 8 Nutrition Health Prof 3 Physical Education 1 16 16 Fall Semester - Year 2 Course or Requirement Units Course or Requirement Units University Elective 3 Psyc 1 Intro to Psych (Area 4) 3 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Course or Requirement Units Course or Requirement Units ***(Complete Directed Self Placement)*** 15 16 Fall Semester - Year 3 (Semester Students apply to SAGE) 1 Kg 107 Packaging 3 Pkg 106 Pkg Machinery Systems 3 Pkg 107 Packaging 3 Pkg 120 Artics CAD for Packaging 3 Pkg 107 Packaging Materials I 3 Pkg 120 Artics CAD for Packaging & Step 1 2 Pkg 140 Packaging Materials I 3	Eng 1A First Year Writing (Area 1A)	3	Math 71 Calculus for Bus/Aviation	3
NuFS 31 Profession in NuFSPEg 1 Physics 2A (SA+5C) 4 Stat 95 or 156 57 kaitslic or Math 15 (Area 2) 3 NUFS 8 Nutrition Health Prof 3 Physical Education 1 16 16 Fall Semester - Vear 2 Course or Requirement University Electives 6 General Education (Area 3A or 3B) 3 University Electives 6 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education 1 ref(Complete Directed Self Placement)*** 15 16 Fall Semester - Year 3 Spring Semester Year 3 (Semester Students apply to SAGE) Course or Requirement Units Course or Requirement Units Pkg 107 Packaging 3 NuFS 144 Food Culture or any GE course (UD 3) 3 Pkg 104 Processing & Pkg 1ab 1 NuFS 13 Phytes 13 3 NuFS 103 Food Processing & Pkg 1ab 1 1 3 NuFS 103 Food Processing & Pkg 1ab 1 NuFS 139 Hunger & Env. Nutr'/GE UD 2/5) 3 Pkg 140 Packaging Materials 1 3 Pkg 159 Pkg Materials 11 and 3	Math 70 Finite Math (Area 2)	3	Chem 30B Intro Chem	
Star 95 or HS 67 Statistic or Math 15 (Area 2) 3 NUFS 8 Nutrition Health Prof 3 Physical Education 1 15 16 Fall Semester - Year 2 Course or Requirement Unitis University Elective 3 Psyc 1 Intro to Psych (Area 4) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Corm 20 Public Spacking (Area 1C) 3 General Education (Area 4, US 123) 3 Corm 20 Public Spacking (Area 1C) 3 General Education (Area 4, US 123) 3 The Complete Directed Self Placement)*** 15 16 Fall Semester - Year 3 (Semester Students apply to SAGE) Course or Requirement Units Pkg 107 Packaging 3 Pkg 156 Pkg Machinery Systems 3 Pkg 120 Artios CAD for Packaging & Pkg 1 2 Pkg 141 Packaging Materials I 3 NuFS 103 Food Processing & Pkg 1 2 Pkg 1418 Packaging Materials II 3 NuFS 103 Food Processing & Pkg 1 2 Pkg 1419 Packaging Materials II 3 NuFS 151 Food Microbiology	Chem 30A Intro to Chem (Area 5A+5C)	4	General Education (Area 3B)	3
Physical Education 1 15 16 Fall Semester - Year 2 Course or Requirement Units Course or Requirement Units University Elective 3 Psyc 1 Intro to Psych (Area 4) 3 General Education (Area 3A or 3B) 3 University Electives 6 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Complete Directed Self Placement)*** 15 16 Fall Semester - Year 3 Spring Semester Year 3 (Semester Students apply to SAGE) Course or Requirement Units Course or Requirement Units Pkg 107 Packaging 3 Pkg 156 Pkg Machinery Systems 3 NuFS 103 Food Processing & Pkg 1 2 Pkg 141 Packaging Materials II 3 NuFS 103 Food Processing & Pkg 1.ab 1 NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5) 15 Fall Semester - Year 4 Spring Semester Year 4 Course or Requirement Units NuFS 151 Food Microbiology 2 Pkg 160 Processing & Pkg 150 Pkg Materials Hand & Distrib 3 Reg 159 P				
15 16 Fall Semester - Year 2 Course or Requirement Units Spring Semester Year 2 Course or Requirement Units University Elective 3 Psyc 1 Intro to Psych (Area 4) 3 General Education (Area 3A or 3B) 3 University Electives 6 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Comm 20 Public Speaking (Area 1C) 3 9 1 ****(Complete Directed Self Placement)*** 15 16 Fall Semester - Year 3 Spring Semester Year 3 (Semester Students apply to SAGE) 1 Course or Requirement Units Course or Requirement Units Pkg 107 Packaging Pkg 120 Artios CAD for Packaging 3 Pkg 121 Solidworks for Packaging* 3 NuFS 103 Food Processing & Pkg 1.ab 1 1 NuFS 103 Food Processing & Pkg 1.ab 1 3 NuFS 131 Food Microbiology 2 Pkg 140 Prodecing Pkg Ab Digs Materials Hand & Distrib 3 NuFS 131 Food Microbiology 2 Pkg 140 Procesing & Pkg 1.3 NuFS 139 Play Pkg 140 Proteive Pkg 3 NuFS 201 Colloquium in NuFS & Pkg 3 Pkg 140 Prodecing Pin Management 3 NuFS 201 Colloquium in NuFS & Pkg 3 Pkg 140 Procesing Amargine** 3 NuFS 201 Colloquium in NuF		3	NUFS 8 Nutrition Health Prof	3
Course or RequirementUnitsCourse or RequirementUnitsUniversity Elective3Psyc1 Intro to Psych (Area 4)3General Education (Area 3A or 3B)3University Electives6General Education (Area 4, US 123)3General Education (Area 4, US 123)3General Education (Area 4, US 123)3General Education (Area 4, US 123)3Commo 20 Public Speaking (Area 1C)3Physical Education1****(Complete Directed Self Placement)***1516Fall Semester - Year 3Spring Semester Year 3 (Semester Students apply to SAGE)3Pkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 107 Packaging3Pkg 121 Solidworks for Packaging Materials I3NuFS 103 Food Processing & Pkg 12Pkg 121 Solidworks for Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.²(GE UD 2/5)3Phys 104 Metical Device Pkg3Pkg 159 Pkg Materials II3NuFS 131 Food Mitterobiology2Pkg 160 Food Mage Preservation'3Pkg 160 Metical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3NuFS 201 Colloquium in NuFS 82PKG3University Elective1NuFS 201 Colloquium in NuFS 82PKG3University Elective1NuFS 2017 Issues in Nutr, FS & Pkg3NuFS 237 Biostatistics3NuFS 217 Issues in Nutr, FS & Pkg3NuFS 237 Biostatistics3NuFS 217 Issues in Nutr, FS & Pkg3 <td>Physical Education</td> <td>$\frac{1}{15}$</td> <td></td> <td>16</td>	Physical Education	$\frac{1}{15}$		16
Course or RequirementUnitsCourse or RequirementUnitsUniversity Elective3Psyc1 Intro to Psych (Area 4)3General Education (Area 3A or 3B)3University Electives6General Education (Area 4, US 123)3General Education (Area 4, US 123)3General Education (Area 4, US 123)3General Education (Area 4, US 123)3Comm 20 Public Speaking (Area 1C)3Physical Education1***(Complete Directed Self Placement)***116Fall Semester - Year 3Spring Semester Year 3 (Semester Students apply to SAGE)1Course or RequirementUnitsCourse or RequirementUnitsPkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 107 Packaging3Pkg 121 Solidworks for Packaging Materials I3NuFS 103 Food Processing & Pkg 12Pkg 121 Solidworks for Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5)3Ph/NUFS 100W Written Comm II15Spring Semester Year 4UnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 131 Food Microbiology2Pkg 160 Food Pkg & Preservation'3Pkg 160 Microbiology2Pkg 160 Food Pkg & Preservation'3Pkg 160 Microbiology21717Pkg 160 Food Pkg & Spring Senseter Year 51717Curse or RequirementUnits1717NuFS 201 Colloquium in NuFS & Pkg	Fall Semester – Year 2		Spring Semester Year 2	
General Education (Area 3A or 3B)3University Electives6General Education (Area 4, US 123)3General Education (Area 4, US 123)3Comm 20 Public Speaking (Area 1C)3Physical Education (Area 4, US123)3****(Complete Directed Self Placement)***1516Isomester - Year 3Course or RequirementUnitsPkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 107 Packaging Materials 13NuFS 144 Food Culture or any GE course (UD 3)3Pkg 107 Packaging & Kg I2Pkg 141B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Honger & Env. Nutr.²(GE UD 2/5)3PH/NUFS 100W Written Comm II31515Fall Senester - Year 4Course or RequirementUnitsVinitsCourse or RequirementUnitsNuFS 151 Food Microbiology22Pkg 159 Pkg Materials Hand & Distrib3Pkg 169 Food Pkg & Preservation'3Pkg 169 Pkg Materials Hand & Distrib3Pkg 169 Pkg Materials Hand & Distrib3Pkg 169 Pkg Materials Hand & Distrib <td><u>Course or Requirement</u></td> <td><u>Units</u></td> <td></td> <td><u>Units</u></td>	<u>Course or Requirement</u>	<u>Units</u>		<u>Units</u>
General Education (Afe) 3 NuFS 40 Debunk Nutr Misinf (1B) 3 General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Corm 20 Public Speaking (Area 1C) 3 Physical Education (Area 4, US 123) 3 ****(Complete Directed Self Placement)***	University Elective	3	Psyc 1 Intro to Psych (Area 4)	3
General Education (Area 4, US 123) 3 General Education (Area 4, US 123) 3 Comm 20 Public Speaking (Area 1C) 3 Physical Education 1 ****(Complete Directed Self Placement)***	General Education (Area 3A or 3B)	3	University Electives	6
Comm 20 Public Speaking (Area 1C) 3 Physical Education 1 ****(Complete Directed Self Placement)*** 15 16 Fall Semester – Year 3 Spring Semester Year 3 (Semester Students apply to SAGE) 16 Course or Requirement Units Course or Requirement Units Pkg 107 Packaging Pkg 107 Packaging Pkg 107 Packaging Materials 1 3 Pkg 156 Pkg Machinery Systems 3 NuFS 103 Food Processing & Pkg I 2 Pkg 141B Packaging Materials II 3 NuFS 103 Food Processing & Pkg I ab 1 NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5) 3 PH/NUFS 100W Written Comm II 3 15 15 15 Fall Semester – Year 4 Units Course or Requirement Units NuFS 151 Food Microbiology 2 2 Pkg 140 Packaging Design Management 3 NuFS 151 Food Microbiology 2 2 Pkg 160 Food Pkg & Preservation ¹ 3 NuFS 151 Food Microbiology 2 15 16 17 Start of the acadous Materials Packaging** 3 Pkg 160 Food Pkg & Preservation ¹ 3 NuFS 201 Colloquium in NuFS & Pkg 3 NuFS 295 Research Methodology <		3		3
15 16 Fall Semester – Year 3 Spring Semester Year 3 Course or Requirement Units Course or Requirement Units Pkg 107 Packaging 3 Pkg 156 Pkg Machinery Systems 3 Pkg 107 Packaging 3 Pkg 156 Pkg Machinery Systems 3 Pkg 107 Packaging Materials I MuFS 103 Food Processing & Pkg 1 2 Pkg 141A Packaging Materials I 3 NuFS 103 Food Processing & Pkg 1 2 Pkg 141B Packaging Materials II 3 NuFS 103 Food Processing & Pkg Lab 1 NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5) 3 PL/NUFS 100W Written Comm II 3 15 Fall Semester - Year 4 Course or Requirement Units Course or Requirement Units NuFS 151 Food Microbiology 2 Pkg 140 Hazardous Materials Packaging** 3 Pkg 159 Pkg Materials Hand & Distrib 3 Pkg 160 Hazardo				
1516Fall Semester - Year 3Spring Semester Year 3 (Semester Students apply to SAGE)Course or RequirementUnitsCourse or RequirementUnitsPkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 120 Artios CAD for Packaging3Pkg 144 Food Culture or any GE course (UD 3)3Pkg 141 Packaging Materials I3Pkg 121 Solidworks for Packaging#*3NuFS 103 Food Processing & Pkg 12Pkg 141 B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5)3PH/NUFS 100W Written Comm II315Fall Semester - Year 4Spring Semester Year 4UnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology2Pkg 169 Food Pkg & Preservation13Pkg 160 Hazardous Materials Packaging**3Pkg 169 Food Pkg & Preservation13Reg 100 A (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3NuFS 295 Research Methodology3717Spring Semester Year 517Fall Semester - Year 517Spring Semester Year 53MuFS 217 Issues in Nutr, FS & Pkg3NuFS 297 Biostatistics3Ms Electives3MuFS 298 Project33Ms Electives3MuFS 298 Project3		3	Physical Education	1
Course or RequirementUnitsCourse or RequirementUnitsPkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 120 Artios CAD for Packaging3NuFS 156 Pkg Machinery Systems3Pkg 120 Artios CAD for Packaging3NuFS 144 Food Culture or any GE course (UD 3)3Pkg 141A Packaging Materials I3Pkg 121 Solidworks for Packaging**3NuFS 103 Food Processing & Pkg I2Pkg 141B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.²(GE UD 2/5)3PH/NUFS 100W Written Comm II315Fall Semester - Year 4Course or RequirementUnitsNuFS 151 Food Microbiology22Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 160 Food Pkg & Preservation'3SPkg 101 Packaging Design Management311SGE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 217 Issues in Nutr, FS & Pkg3NuFS 227 Biostatistics3MS Electives6NuFS 227 Biostatistics33MS Electives3NuFS 227 Biostatistics3		15		16
Course or RequirementUnitsCourse or RequirementUnitsPkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 120 Artios CAD for Packaging3NuFS 144 Food Culture or any GE course (UD 3)3Pkg 141A Packaging Materials I3Pkg 121 Solidworks for Packaging**3NuFS 103 Food Processing & Pkg I2Pkg 141B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.²(GE UD 2/5)3PH/NUFS 100W Written Comm II31515Fall Semester - Year 4Course or RequirementUnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology22Pkg 160 Hazardous Materials Packaging**3Pkg 159 Pkg Materials Hand & Distrib3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives3NuFS 257 Biostatistics3Mu S Electives3NuFS 257 Biostatistics3	Fall Semester – Year 3			
Pkg 107 Packaging3Pkg 156 Pkg Machinery Systems3Pkg 120 Artios CAD for Packaging3NuFS 144 Food Culture or any GE course (UD 3)3Pkg 141 A Packaging Materials I3Pkg 121 Solidworks for Packaging**3NuFS 103 Food Processing & Pkg I2Pkg 141 B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.² (GE UD 2/5)3PH/NUFS 100W Written Comm II315IsFall Semester - Year 4Course or RequirementUnitsVurits2Pkg 159 Pkg Materials Hand & DistribNuFS 151 Food Microbiology22Pkg 160 Hazardous Materials Packaging**3Pkg 159 Pkg Materials Hand & DistribNuFS 201 Colloquium in NuFS 34)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3UnitsCourse or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS Electives3NuFS 257 Biostatistics<				
Pkg 120 Artios CAD for Packaging3NuFS 144 Food Culture or any GE course (UD 3)3Pkg 141A Packaging Materials I3Pkg 121 Solidworks for Packaging**3NuFS 103 Food Processing & Pkg I2Pkg 141B Packaging Materials II3NuFS 105 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.² (GE UD 2/5)3PH/NUFS 100W Written Comm II315Fall Semester - Year 4Course or RequirementUnitsNuFS 151 Food Microbiology2Pkg 158 Protective Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation'3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3University Elective1NuFS 201 Colloquium in NuFS & PKG3NuFS 295 Research Methodology317171717Fall Semester - Year 5Course or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives3NuFS 298 Project3MS Electives3NuFS 298 Project3	<u>Course or Requirement</u>	<u>Units</u>	<u>Course or Requirement</u>	<u>Units</u>
Pkg 141A Packaging Materials 13Pkg 121 Solidworks for Packaging**3NuFS 103 Food Processing & Pkg I2Pkg 141B Packaging Materials II3NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.² (GE UD 2/5)3PH/NUFS 100W Written Comm II1515Fall Semester - Year 4 Course or RequirementUnitsNuFS 151 Food Microbiology22Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 160 Hazardous Materials Packaging**3Pkg 169 Food Pkg & Preservation13GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3NuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MuFS 217 Issues i				
NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.² (GE UD 2/5)3PH/NUFS 100W Written Comm II315Fall Semester - Year 4Spring Semester Year 4UnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology22Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation¹3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 295 Research Methodology173Fall Semester - Year 5Course or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3NuFS 298 Project3				3
NuFS 103 Food Processing & Pkg Lab1NuFS 139 Hunger & Env. Nutr.² (GE UD 2/5)3PH/NUFS 100W Written Comm II315Fall Semester - Year 4Spring Semester Year 4UnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology22Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation¹3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 295 Research Methodology173Fall Semester - Year 5Course or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3NuFS 298 Project3				3
PH/NUFS 100W Written Comm II315Fall Semester - Year 4Spring Semester Year 4UnitsCourse or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology22Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation ¹ 3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 295 Research Methodology17Spring Semester Year 5Course or RequirementUnitsCourse or RequirementNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3NuFS 298 Project3				3
IsIsFall Semester – Year 4Course or RequirementUnitsNuFS 151 Food Microbiology2Pkg 146 Medical Device Pkg3Pkg 146 Medical Device Pkg3Pkg 158 Protective Pkg & Dsgn**3Pkg 160 Hazardous Materials Packaging**3Pkg 160 Hazardous Materials Packaging**3NuFS 201 Colloquium in NuFS 134)3NuFS 201 Colloquium in NuFS & PKG3UnitsNuFS 295 Research Methodology1717Fall Semester – Year 5Spring Semester Year 5Course or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3MS Electives6MS Electives3			NuFS 139 Hunger & Env. Nutr. ² (GE UD 2/5)	
Fall Semester – Year 4 Course or RequirementUnitsSpring Semester Year 4 Course or RequirementUnitsNuFS 151 Food Microbiology2 Pkg 146 Medical Device Pkg3 3 Pkg 159 Pkg Materials Hand & Distrib3 3 Pkg 159 Pkg Materials Hand & Distrib3 3 9kg 159 Pkg Materials Hand & Distrib3 3 3 Pkg 169 Food Pkg & Preservation13 	PH/NUFS 100W Written Comm II			15
Course or RequirementUnitsCourse or RequirementUnitsNuFS 151 Food Microbiology2Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation ¹ 3Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1Inversity Septement17Fall Semester - Year 5 Course or Requirement2NuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3NuFS 217 Issues in Nutr, FS & Pkg3NuFS 298 Project3MS Electives6NuFS 298 Project33MS Electives3NuFS 298 Project3	Fall Convertery Very 4	15	Service Servester Veen A	
NuFS 151 Food Microbiology2Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation13Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1Interstee of RequirementUnitsCourse or RequirementUnitsNuFS 295 Research Methodology33NuFS 295 Research Methodology3171717Spring Semester Year 5Course or RequirementUnitsCourse or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3		Units		Unite
Pkg 146 Medical Device Pkg3Pkg 159 Pkg Materials Hand & Distrib3Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation13Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 295 Research Methodology317Fall Semester - Year 5Spring Semester Year 5Course or RequirementUnitsCourse or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project33MS Electives3NuFS 298 Project33	Course or Requirement	<u>Unus</u>	<u>Course or Requirement</u>	<u>Unus</u>
Pkg 158 Protective Pkg & Dsgn**3Pkg 169 Food Pkg & Preservation13Pkg 160 Hazardous Materials Packaging**3Pkg 170 Packaging Design Management3GE UD 4 (Recommend NuFS 134)3NuFS 192 Field Experience4NuFS 201 Colloquium in NuFS & PKG3University Elective1NuFS 295 Research Methodology317Spring Semester Year 5Course or RequirementUnitsCourse or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3Selectives3				2
Pkg 160 Hazardous Materials Packaging** 3 Pkg 170 Packaging Design Management 3 GE UD 4 (Recommend NuFS 134) 3 NuFS 192 Field Experience 4 NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 Image: NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 Image: NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 Image: NuFS 205 Research Methodology 3 3 3 Image: NuFS 205 Research Methodology 3 3 17 Image: NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 257 Biostatistics 3 NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 298 Project 3 MS Electives 6 NuFS 298 Project 3 MS Electives 3 3 3				
GE UD 4 (Recommend NuFS 134) 3 NuFS 192 Field Experience 4 NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 NuFS 295 Research Methodology 3 3 17 Fall Semester - Year 5 Units Course or Requirement Units NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 257 Biostatistics 3 NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 298 Project 3 MS Electives 6 NuFS 298 Project 3 MS Electives 3 3 3				
NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 NuFS 201 Colloquium in NuFS &PKG 3 University Elective 1 NuFS 295 Research Methodology 3 17 Fall Semester - Year 5 17 17 <i>Course or Requirement</i> Units Course or Requirement Units NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 257 Biostatistics 3 MS Electives 6 NuFS 298 Project 3 MS Electives 3 MS Electives 3				
Image: Text ProblemImage: Image:			<u>^</u>	
Image: Text Series for the series of the s			NuFS 295 Research Methodology	3
Course or RequirementUnitsCourse or RequirementUnitsNuFS 217 Issues in Nutr, FS & Pkg3NuFS 257 Biostatistics3MS Electives6NuFS 298 Project3MS Electives3MS Electives3		17		
NuFS 217 Issues in Nutr, FS & Pkg 3 NuFS 257 Biostatistics 3 MS Electives 6 NuFS 298 Project 3 MS Electives 3 MS Electives 3				 .
MS Electives 6 NuFS 298 Project 3 MS Electives 3	<u>Course or Requirement</u>	<u>Units</u>	<u>Course or Requirement</u>	<u>Units</u>
MS Electives 3				
	MS Electives	6		
		9	MS Electives	

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.