

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA
ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE
REPORT TO
THE ACADEMIC SENATE
AP-024-156

MINOR IN NUTRITION FOR SEMESTERS

Academic Programs Committee

Date: 4/27/2016

Executive Committee
Received and Forwarded

Date: 04/27/2016

Academic Senate

Date: 05/04/2016
First Reading
05/25/2016
Second Reading

BACKGROUND: The Department of Human Nutrition and Food Science has put forward a referral for a Minor in Nutrition for semesters. This is a revised program.

The name was changed from 'Food and Nutrition Minor' to 'Nutrition Minor.' The required classes changed from the previous version in order to offer students majoring in Biology, Chemistry, Kinesiology, Food Science, Plant Science, and Animal Science, a feasible path to obtaining a minor in Nutrition.

RESOURCES CONSULTED:

Deans
Associate Deans
Department Chairs
All Faculty

DISCUSSION:

Before reaching the Academic Programs Committee, this program was reviewed by the College Curriculum Committee in the College of Agriculture as well as the Dean of Agriculture and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the semester program: Minor in Nutrition.

Program Proposal for Re-Vision Programs
Nutrition Minor

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**Nutrition Minor
Curriculum Years: 2018-2020**

Your department has developed this suggested road plan, taking into account prerequisites and schedule restrictions. You should pay attention to these concerns when deviating from this plan, however there are many variations that still lead to graduation in four years. Please see the NUTR courses offered each quarter in Blackboard. Sometimes it is necessary to offer a class on a different quarter.

Year 1	Fall	Units	Spring	Units	Supplement Semester to take GE/Support/ courses GE and support core as well as elective units (see minor electives)*
	NUTR 2350	3	CHM 1220/1220L	3/1	
	CHM 1210/L (B1, B2)	3/1	BIO 1150/L (B2, B3)	3/1	
	Electives	4	Electives	3	
	Total Units	7	Total Units	11	
		Total Units for Year 1	18		
Year 2	Fall	Units	Spring	Units	Supplement Semester to take GE/Support/ courses GE and support core as well as elective units (see minor electives)*
	BIO 2350/L	3/1	NUTR 3350	3	
	CHM 2010/L	3/1	Electives	3	
	Total Units	8	Total Units	6	
		Total Units for Year 2	14		

Human Nutrition and Food Science-Nutrition Minor Mission

(Dr. Bonny Burns-Whitmore 10/09/2015)

Mission: To provide a high quality nutrition minor program that educates and prepares diverse students in order to promote healthy nutrition and food practices that enhance human and animal health through teaching, research, classes and opportunities that support the Human Nutrition and Food Science, College of Agriculture and Cal Poly Pomona missions.

Program Goals:

Goal 1: Provide a science-based approach to nutrition

Goal 2: Provide Nutrition basics to a diverse population of students interested in nutrition with the social and cultural understandings required to help promote healthy nutrition and food practices.

Program Objectives:

In order to secure and maintain accreditation for the Didactic Programs in Dietetics program, the Minor Student Learning Objectives will not include the food service and medically-related competencies (Foodservice/Medical Nutrition Therapy) that are directly related to the requirements for Accreditation Council for Education in Nutrition and Dietetics (ACEND) requirements.

Section 1: Scientific and Evidence Base of Practice: integration of scientific information and research into practice

1.1 Students demonstrate how to locate, interpret, evaluate and use professional literature.

1.2 Students use current information technologies.

Section 2: The physical and biological science foundation of the nutrition profession must be evident in the curriculum.

6.1 Describe the mechanism of action of essential nutrients in health promotion and disease prevention.

6.2 Describe the mechanism of action of bioactive non-nutrients in health promotion and disease prevention.

6.3 Determine nutrient needs across the lifespan.

6.4 Integrate knowledge of the use of nutrients at the molecular, cellular and organ level.

6.5 Integrate genetic, physiologic and biochemical mechanisms by which food and nutrients promote optimal health.

6.6 Understand and demonstrate the scientific method and the application of research methodologies.

6.7 Interpret basic statistics used in nutrition and medical research.

**Nutrition Minor
Conversion to Semesters-10/09/15**

SEMESTER CONVERSION

Required	26
<u>Electives</u>	<u>6</u>
TOTAL UNITS FOR MINOR	32

<u>Required Courses:</u>	<u>Units</u>
BIO 1150 Basic Biology (B2)	3
BIO 1150L Basic Biology Lab (B3)	1
BIO 2350 Human Physiology	3
BIO 2350L Human Physiology Lab	1
NUTR 2350 Nutrition	3
NUTR 3350 Nutrition of the Life Cycle	3
CHM 1210 General Chemistry (B1)	3
CHM 1210L General Chemistry Lab (B3)	1
CHM 1220 General Chemistry	3
CHM 1220L General Chemistry Lab	1
CHM 2010 Organic Chemistry	3
<u>CHM 2010L</u> <u>Organic Chemistry Lab</u>	<u>1</u>
Total	26

<u>Minor Elective-Choose 6 units</u>	<u>Units</u>
CHM 3210 Biochemistry	3
NUTR 2030 Nutrition and the Integrated Being (E)	3
NUTR 2280 Food and Culture	3
NUTR 2350L Nutrition Laboratory	1
NUTR 3130 Nutrition Research Methods	3
NUTR 3450 Nutrition Education and Counseling	2
NUTR 3450A Nutrition Education and Counseling Act	1
NUTR 3930 Advanced Nutrient Metabolism 1	3
NUTR 3940 Advanced Nutrient Metabolism 2	3
NUTR 4370 Nutritional Genomics (requires NUTR 3930&40)	3
NUTR 4380 Evaluation of Complementary Medicine (req NUTR 3930&40)	3
NUTR 4450 Agriculture, Nutrition and International Development	3
FST 3250 Food Safety and Current Issues	3
Total	6

Total for the Nutrition Minor

32

Program Goals/Objectives Mapped to Student Learning Outcomes

Section1: Scientific and Evidence Base of Practice: integration of scientific information and research into practice

Program goals	SLO # 1.1 Students demonstrate how to locate, interpret, evaluate and use professional literature.	SLO # 1.2 Students use current information technologies.
1. Provide a science-based approach to nutrition	X	X
2. Provide Nutrition basics to a diverse population of students interested in nutrition with the social and cultural understandings required to help promote healthy nutrition and food practices.	X	X

Section 2. The physical and biological science foundation of the dietetics profession must be evident in the curriculum. Course content must include organic chemistry, biochemistry, physiology, genetics, microbiology, statistics, nutrient metabolism, and nutrition across the lifespan.

	SLO # 6.1	SLO # 6.2	SLO # 6.3	SLO # 6.4	SLO # 6.5	SLO # 6.6	SLO # 6.7
Program Goals	Describe the mechanism of action of essential nutrients in health promotion and disease prevention.	Describe the mechanism of action of bioactive non- nutrients in health promotion and disease prevention.	Determine nutrient needs across the lifespan.	Integrate knowledge of the use of nutrients at the molecular, cellular and organ level	Integrate genetic, physiological and biochemical mechanisms by which food and nutrients promote optimal health.	Understand and demonstrate the scientific method and the application of research methodologies.	Interpret basic statistics used in nutrition and medical research.
1. Provide a science-based approach to nutrition	X	X	X	X	X	X	X
2. Provide Nutrition basics to a diverse population of students interested in nutrition with the social and cultural understandings required to help promote healthy nutrition and food practices	X	X	X	X	X	X	X

NUTRITION MINOR COURSE MAPPING

Course number	1.1.1	1.1.2	6.6.1	6.6.2	6.6.3	6.6.4	6.6.5	6.6.6	6.6.7
NUTR 1000		I							
NUTR 1210/L									
NUTR 2280									
NUTR 2350	I	P	I	I	I	I			
NUTR 3350	I	I							
NUTR 3450/A	I,P		P,M	P,M	P,M	P,M	P,M		
NUTR 3930			M	M	M	M	M	M	P
NUTR 3940			M	M	M	M	M	M	P