FOOD SCIENCE/NUTRITION

CAREER INFORMATION

The major in food science or nutrition offers a comprehensive multidisciplinary study of the nature and quality of the food supply and the nutritional requirement for health in people. Students take courses in the areas of nutrition, food science, and food management founded on prerequisite courses in chemistry, biology, biochemistry, physiology, accounting, management, and the behavioral and social sciences. Opportunities for employment include positions in the food and allied industries, local, state, and federal government agencies, and educational and research institutions.

GENERAL INFORMATION

Not all universities with this major are listed below. The lower division core preparation is listed for universities with which LBCC has established articulation agreements. The first course listed is the LBCC course; the course in parentheses immediately after is the university equivalent. It is generally recommended to take as many lower-division major courses as possible prior to transfer. Please check www.assist.org for the most current articulation information and information regarding minimum grade for each course, impacted major recommendations, application procedures, etc. Moreover, you must see a counselor to develop an accurate educational plan to ensure your competitiveness for admissions for your school(s) of choice. To thoroughly understand admissions and general education requirements please check the catalog of the transfer university. CSU/UC admissions and general education requirements are outlined on a separate curriculum guide.

*** Schools are listed in alphabetical order ***

CAL POLY SAN LUIS OBISPO

- **B.S. Degree – Food Science**
  F & N 20 (Fsn 210), 21 (121)

CSU CHICO

- **B.S. Degree - Nutrition and Food Sciences**
  Options: Food Service Administration; General Dietetics

  **Option Requirements:**
  Food Service Administration
  Acctg 1A (Badm 15), 1B (16); Bio 2 (Biol 11); Chem 3A & 3B (Chem 27 & 28); Econ 1B (Econ 3);
  F & N 21 (Nfsc 20); Physi 1 (Biol 4)
  (No LBCC equivalent to the following CSUC course: Ansc 19)
  General Dietetics
  Bio 2 (Biol 11); Chem 3A & 3B (Chem 27 & 28); F & N 21 (Nfsc 20); Physi 1 (Biol 4); Psych 1 (Psy 1A)

See Reverse Side for Additional Requirements

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CSU LONG BEACH

- **B.S. Degree – Dietetics and Food Administration**
  **Options:** Nutrition and Dietetics; Food Science; Hospitality/Foodservice and Hotel Management

  **Option Requirements:**
  **Nutrition and Dietetics**
  Bio 2 (Micr 200); Physi 1 (Biol 207) or upper division CSULB course; Chem 1A (Chem 111A), English 1 & 3 (Engl 100 & 101); F & N 20 (FCS 132), 21 (FCS 235); Psych 1 (Psych 100); Socio 1 (Soc 100)
  (No LBCC equivalents to the following CSULB courses: Biol 260; FCS 233, 234, 275, 299)

  **Food Science**
  Bio 2 (Micr 200); Physi 1 (Biol 207); Chem 1A (Chem 111A), 1B (111B); English 3 (Engl 101); F & N 20 (FCS 132), 21 (FCS 235); Physics 2A (Phys 100A); Psych 1 (Psych 100) or Socio 1 (Soc 100); Speech 20 (Comm 110)
  (No LBCC equivalents to the following CSULB courses: Biol 260; Chem 200; FCS 234, 299; Math 119A, 119B)

  **Hospitality Foodservice and Hotel Management**
  Acctg 1A (Acct 201); Anat 41 or Bio 60 & 60L (Biol 205) or Physi 1 (Biol 207); Chem 1A (Chem 111A) or Chem 3A (202); Sp 20 (Comm 110); Econ 1A or 1AH (Econ 100) or upper division CSULB course, 1B (101) or upper-division CSULB courses; Stat 1 or 1H (Math 180) or upper-division CSULB courses; Engl 1 or 1H (Engl 100); Phil 7 (Phil 160); Psych 1 or 1H (Psy 100) or Socio 1 (Soc 100); Phil 12 (Phil 170) or Engl 3 or 3H (Engl 102); Pepp 7 (Rec 141); F & N 20 (FCS 132), 21 (235)
  (No LBCC equivalents to the following CSULB courses: Chem 100, 100A; IS 240; Psy 130; Rec 225; FCS 233, 234, 270, 275, 299)

- **Certificate in Foodservice Systems Administration**
  F & N 20 (FCS 132); 21 (FCS 235); Acctg 1A (Acct 201); Chem 3A (Chem 202)
  (No LBCC equivalents to the following CSULB courses: FCS 275; IS 240)

CSU LOS ANGELES

- **B.S. Degree – Nutritional Science**
  Anthr 2 (Anth 250); Bio 2 (Micr 151 or 200A & 200B); Bio 60 & 60L & 61 & 62 (Biol 200A & 200B); Chem 3A (Chem 151), 3B (152); Psych 1 (Psy 150); Socio 1 (Soc 201)

CSU SAN BERNARDINO

- **B.S. Degree – Foods and Nutrition**
  Anat 1 or 1H & Physi 1 (Biol 223 & 224); Bio 2 (Biol 220); Chem 3A (Chem 205), 3B (206); CBIS 2 (Csci 123); F & N 21 (Hsci 245); Psych 1 or 1H (Psyc 100)
  One course: Econ 1A or 1AH (Econ 202), 1B (200) or lower division course at CSUSB
  (No LBCC equivalents to the following CSUSB courses: Chem 207; Econ 104; Hsci 120, 225)
SAN DIEGO STATE UNIVERSITY

- **B.S. Degree – Applied Arts & Sciences: Foods & Nutrition Major**
  Acctg 1A (Acctg 201); Bio 41 or 41H & 41L (Biol 100 & 100L); Chem 2 or 3A (Chem 100), 12A (130);
  Psych 1 or 1H (Psy 101); Socio 1 (Soc 101); Stat 1 (Econ 201 or Stat 119)

SAN JOSE STATE UNIVERSITY

- **B.S. Degree – Nutritional Science**
  **Options:** Dietetics; Food Science and Technology; General; Packaging Technology

  **Option Requirements:**
  **Dietetics:** Bio 2 (Micr 20); Chem 1A (Chem 1A), 3B (30B); Physi 1 (Biol 66); Psych 1 or 1H (Psyc 1);
  Stat 1 (Stat 95)

  **Food Science and Technology:** Bio 2 (Micr 20), 41 (Biol 10); Chem 1A (30B), 1B (1B); F & N 20 (Nufs 8);
  Math 60 (Math 30), 70 (31); Physi 1 (Biol 66); Phys 2A (Phys 2A); Stat 1 (Stat 95)
  (No LBCC equivalents to the following SJSU courses: Chem 8, 9)

  **General:** Bio 2 (Micr 20); F & N 20 (Nufs 8); Psych 1 or 1H (Psyc 1); Stat 1 (Stat 95)
  (No LBCC equivalent to the following SJSU course: Envs 1)

  **Emphasis in Nutrition Science:** Chem 1A (Chem 1A), 1B (1B); Physi 1 (Biol 66)
  (No LBCC equivalents to the following SJSU courses: Biol 65; Chem 8)

  **Emphasis in Nutrition Education:** Chem 3A (Chem 30A), 3B (30B)
  (No LBCC equivalent to the following SJSU course: Biol 54)

  **Emphasis in Sports Nutrition:** Chem 3A (Chem 30A), 3B (30B); Physi 1 (Biol 66)

  **Emphasis in Food Management:** Biol 2 (Micr 20); Chem 3A (Chem 30A), 3B (30B); Econ 1A or 1AH (Econ 1A) or 1B (1B); Hotel 23 (Hspm 12) or lower-division course at SJSU; Hotel 18 (Hspm 23) or lower division course at SJSU)
  (No LBCC equivalents to the following SJSU courses: Biol 54; Bus 20N; Hspm 20; Nufs 12, 20, 23, 25)

  **Packaging Technology Option:**
  Bio 2; Chem 1A & 1B or 3A & 3B; Math 37 or 37H, 47; Physics 2A; Stat 1

UC BERKELEY

- **B.S. Degree – Nutritional Science**
  Transfer students must fulfill all lower division major requirements before entering Berkeley.

  **Tracks:** Physiology and Metabolism; Dietetics; Toxicology
**UC Berkeley (continued)**

**Track Requirements:**

**Physiology and Metabolism**

Engl 1 (English R1A), 2 & 3 (R1B); Acctg 1A; Econ 1A & 1B (Econ 1) or lower division courses at UC Berkeley; Psych 1 or 1H (Psych 1) or Socio 1 (Sociol 1) or Anthr 2 (Anthro 3) or lower-division courses at UC Berkeley; Chem 1A (Chem 1A), 12A (3A), 12B (3B); Math 60 (16A); Phys 3A (Physics 7A) or 3B (7B) or 3A & 3B (8A) or 3B & 3C (8B); Stat 1 (Stat 2) or lower-division course at UC Berkeley; F & N 20 (Nutrsci 10); Bio 2 or Physi 1 (Mcellbi 32 & 32L) or lower-division course at UC Berkeley (physiology recommended)

(No LBCC equivalents to the following UC Berkeley courses: Biology 1A, 1B; Chem 5; Econ 3; Envecon 1; Sociol 3; Stat 20)

**Dietetics**

Approved by the American Dietetic Association as a Didactic Program in Dietetics; emphasizes the application of the knowledge of nutrition through dietetic practice.

Engl 1 (English R1A), 2 & 3 (R1B); Acctg 1A; Econ 1A & 1B (Econ 1) or lower-division courses at UC Berkeley; Psych 1 or 1H (Psych 1) or Socio 1 (Sociol 1) or Anthr 2 (Anthro 3); Chem 1A (Chem 1A), 12A (3A), 12B (3B); Math 60 (16A); Stat 1 (Stat 2) or lower-division course at UC Berkeley; F & N 20 (Nutrsci 10); Bio 2 or Physi 1 (Mcellbi 32 & 32L) or lower-division course at UC Berkeley (physiology is recommended.)

(No LBCC equivalents to the following UC Berkeley courses: Biology 1A, 1B; Chem 5; Econ 3; Envecon 1; Sociol 3; Stat 20)

**Toxicology**

Engl 1 (English R1A), 2 & 3 (R1B); Acctg 1A; Econ 1A & 1B (Econ 1) or lower-division courses at UC Berkeley; Psych 1 or 1H (Psych 1) or Socio 1 (Sociol 1) or Anthr 2 (Anthro 3) or lower-division courses at UC Berkeley; Chem 1A (Chem 1A), 12A (3A), 12B (3B); Math 60 (16A); Phys 3A (Physics 7A) or 3B (7B) or 3A & 3B (8A) or 3B & 3C (8B); Stat 1 (Stat 2) or lower-division course at UC Berkeley; F & N 20 (Nutrsci 10); Bio 2 or Physi 1 (Mcellbi 32 & 32L) or lower-division course at UC Berkeley (physiology recommended)

(No LBCC equivalents to the following UC Berkeley courses: Biology 1A, 1B; Chem 5; Econ 3; Envecon 1; Sociol 3; Stat 20)

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**UC DAVIS**

- **B.S. Degree – Food Science**
  
  Transfer students are strongly advised to complete as many preparatory courses as possible before enrolling at UC Davis. In particular, it is highly recommended that students complete chemistry courses before transferring.

  Bio 1A (Biolsci 1A), 1A & 1B (1A & 1C); Chem 1A & 1B (Chem 2A & 2B & 2C), 12A & 12B (118A & 118B & 118C); F & N 20 (Nutr 10); Math 60 (Math 16A), 70 (16B or 16C); Phys 2A & 2B (Physics 7A & 7B & 7C)

  (No LBCC equivalents to the following UC Davis courses: FD S & T 50)

- **Options:** Food Technology; Food Business & Management; Consumer Food Science; Food Biology/Microbiology; Food Chemistry

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Option Requirements:
Food Technology
(No LBCC equivalents to the following UC Davis courses: Chem 8A, 8B)

Food Business & Management: Econ 1B (Econ 1A)
(No LBCC equivalents to the following UC Davis courses: Chem 8A, 8B)

Consumer Food Science
(No LBCC equivalents to the following UC Davis courses: Chem 8A, 8B; FD S & T 47)

Food Biology/Microbiology: Bio 1B (Biolsci 1B); Chem 12A & 12B (Chem 118A & 118B & 118C)
(No LBCC equivalents to the following UC Davis courses: Chem 8A, 8B)


* B.S. Degree – Food Biochemistry
Bio 1A (Biolsci 1A), 1B (1B), 1A & 1B (1A & 1C); Chem 1A & 1B (Chem 2A & 2B & 2C), 12A & 12B
(118A & 118B & 118C or 128A & 128B & 128C & 129A); Math 60 (Math 16A or 21A), 70 (16B or
21B), 80 (16C or 21C); Phys 2A & 2B (Physics 7A & 7B & 7C) or 3A & 3C & 3B (9A & 9B & 9C);
CBIS 8A or 9 (Eng Cs 10), 11 (30); Math 80 (Math 21D), 84 (22A); Stat 1 or 1H (Statist 13)
(No LBCC equivalents to the following UC Davis courses: Chem 2AH, 2BH, 2CH; Engin 5; Math
22B)