

Major Offered Through:

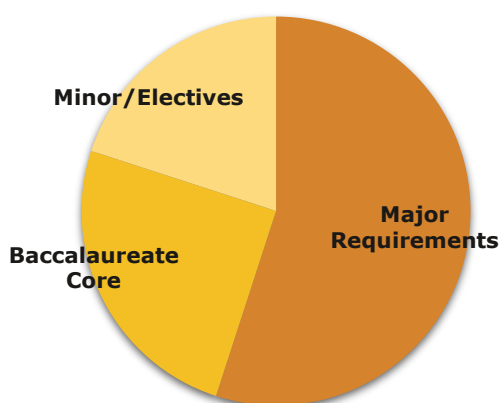
CORVALLIS

**Chemeketa
Community College**

Food Science and Sustainable Technologies

As Alton Brown says, “All food is science”, and nothing could be truer. Food science, and related technologies, are at the heart of the development and delivery of safe, appealing and convenient food products, at every step from the farm gate to the food marketer. The academic program integrates principles and concepts in the physical, biological and engineering sciences, and applies them to the scientific and technological aspects of food processing. Graduates are well prepared to address the complex undertaking of assuring an abundant, high quality, nutritious and sustainable food supply.

Your Bachelor’s Degree (BS) in the College of Agricultural Sciences



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 transfer credits may be applied toward a bachelor’s degree at OSU.
- Only courses with letter prefixes and numbers above 100 can be accepted.
- Some courses can count towards your major and the Baccalaureate Core. Check with your advisor.
- Options available. See “Important Notes”.
- More info at:

<https://agsci.oregonstate.edu/degree-fact-sheet/food-science-sustainable-technologies>

Courses Required for Food Science and Sustainable Technologies Major

Priority courses to complete before transferring are distinguished by ^P

Requirements This list is not comprehensive. Contact an OSU advisor for more information.	Chemeketa Equivalent Course	OSU Courses	Notes
WR 327 Technical Writing	WR 227 ^P	WR 327	WR 122 accepted
COMM 111 Public Speaking	COMM 111 ^P	COMM 111	
CH 231 and 261 General Chemistry	CH 221 ^P	CH 231 and 261	≥C- required
CH 232 and 262 General Chemistry	CH 222 ^P	CH 232 and 262	≥C- required
CH 233 and 263 General Chemistry	CH 223 ^P	CH 233 and 263	≥C- required
CH 331, 332, 337 Organic Chemistry	CH 241-243, 241B – 243B	CH 331, 332, 337	Complete sequence, ≥C-
Principles of Biology	BI 211 ^P BI 212 ^P BI 213 ^P	BI LD2 BI LD2 BI LD2	Only select one full series (either all 211-213 or all of 221-223) OSU now only offers BI 221-223. If taking BI 211-213, you must take entire series at Chemeketa. Refer: https://admissions.oregonstate.edu/ld1-and-ld2-explained to learn more.
Principles of Biology	-- -- --	BI 221 BI 222 BI 223	
PH 201 General Physics	PH 201	PH 201	
MTH 251 Differential Calculus	MTH 251	MTH 251	≥C- required
MTH 252 Integral Calculus	MTH 252	MTH 252	
NUTR 225 or 240 Human Nutriti	NFM 225	NUTR LDT	Accepted for FST only



SOIL 205 & 206 Soil Science	SOIL 205 & 206	SOIL 205 & 206	Eno & Vit only
Option Electives	CH 172	No equivalent	Enol & Vit or Ferm Sci.
Option Electives	VMW 122	No equivalent	Enol & Vit or Ferm Sci.

Important Notes & Resources for the College and Major:

- Program Information: see the [Department of Food Science and Technology website](https://foodsci.oregonstate.edu/foodsci/academics/undergraduate-program) for more information (<https://foodsci.oregonstate.edu/foodsci/academics/undergraduate-program>).
- See a [sample degree plan](#) located on the second page of the Food Science and Technology Degree Fact Sheet (<https://agsci.oregonstate.edu/degree-fact-sheet/food-science-technology>)
- Food Science and Technology offers 3 options which allow students to specialize. The options are [Enology and Viticulture](#), [Fermentation Science](#), and [Food Science](#). More details can be found by searching "Food Science and Technology" in the OSU Catalog at <http://catalog.oregonstate.edu>
- Other similar majors to explore: Chemistry, Engineering, and Agricultural Sciences. Check out the [OSU catalog](#) to explore these majors at <http://catalog.oregonstate.edu>
- Level 100/200 and lower division Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Food Science and Technology students, the best time to transfer is Fall term. Talk with an OSU advisor about your specific timeline.
- It is important to speak with a Food Science and Technology advisor early on, and often, to ensure correct course selection and sequencing. Advisors contact information can be found [here](#) (<https://foodsci.oregonstate.edu/foodsci/contact-advisor>)

Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU.
 - If you've completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See transfer student admissions info: transfer.oregonstate.edu
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students

General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspectives category with no more than two in the same department.
- For full listing of courses that fulfill Baccalaureate Core, please refer to: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-chemeketa-community-college

SKILLS COURSES	Math Writing I Writing II* Speech (Writing III)* Fitness	Completed as part of major. WR 121. Required to transfer. Completed as part of major (WR 327) Completed as part of major (COMM 111) PE 231
PERSPECTIVE COURSES	Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture	Often completed as part of major Completed as part of major Completed as part of major Many options, see BaccCore link above Many options, see BaccCore link above Many options, see BaccCore link above Many options, see BaccCore link above
DPD COURSE	Difference, Power, & Discrimination	Many options, see BaccCore link above
SYNTHESIS COURSES	Contemporary Global Issues Science, Technology, & Society	Upper division course, take through OSU Upper division course, take through OSU

It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** Also, consider visiting OSU to take a campus tour and meet with an advisor. See visitosu.oregonstate.edu/visit-campus to schedule your personalized visit.

Advising Contacts

Chemeketa Community College	https://www.chemeketa.edu/students/advising/
OSU Food Science & Technology	Dan Smith, dan.smith@oregonstate.edu
OSU College of Ag. Sci. Main Office	casstudy@oregonstate.edu