BioResource Research (BRR) is an interdisciplinary biosciences major centered around student research. Students take science core courses, complete an option in the FANH (Food, Agriculture, Natural resources, and Human) sciences, and do a research project of their choice under the guidance of a faculty mentor. Nearly 100% of BRR graduates have found jobs or been admitted to graduate or professional schools within three months of graduating.

### BioResource Research Options Offered

- Animal Reproduction and Development
- Applied Genetics
- Bioproducts & Bioenergy
- Biotechnology
- Climate and Biosystems Modeling
- Environmental Chemistry
- Food Quality
- Genomics/Bioinformatics
- Pest Biology and Management
- Plant Growth and Development
- Sustainable Ecosystems
- Toxicology
- Water Resources

### Degrees that Pay. Careers that Matter.

Discover how you can build a meaningful career: job opportunities are abundant for graduates with expertise in the FANH sciences. This expertise is needed to solve the world’s most pressing issues in the arenas of world hunger, human health, climate change and environmental sustainability.

**Examples of career paths with a BioResource Research degree include:**

- Natural Resource Manager
- Researcher or Lab Technician
- Medical Doctor
- Plant or Animal Geneticist
- Toxicologist
- Environmental or Climate Scientist
- Biotechnologist
- Bioinformatic Data Scientist
- Food Research and Development
- Clinical Research Director

### Individualized Advising

Advisors help students develop their course of study. They link students to scholarships and campus resources, advise on matters of professional development, and point students toward experiential learning and leadership opportunities that will help them be successful after graduation. BRR students are guided by staff and faculty research mentors throughout all stages of the research experience, from matching students with projects and mentors to assistance with writing final theses and presenting public seminars. For BioResource Research advising, contact Wanda Crannell: wanda.crannell@oregonstate.edu

Get to know BioResource Research online: [agsci.oregonstate.edu/brr](http://agsci.oregonstate.edu/brr)
# B.S. in Bioresource Research Example 4-Year Plan | 2021-2022

This is a sample schedule intended for informational purposes only. Students should consult with their OSU academic advisor to create a personalized degree plan.

## First Year

**Fall**
- BI 221 Prins of Bio
- BRR 100 Great Exp in BRR
- CH 231 Gen Chem
- CH 261 Lab for Chem 231
- HHS 231 Lifetime Fitness
- PAC / Free Electives

**Winter**
- BI 222 Prins of Bio
- CH 232 Gen Chem
- CH 262 Lab for Chem 232
- Unrestricted Elective
- WR 121 English Comp

**Spring**
- BI 223 Prins of Bio
- CH 233 Gen Chem
- CH 263 Lab for Chem 233
- COMM 111 Public Speaking
- BACCORE* Lit & Arts or Cult Div

**Opportunities**
- Clubs and professional organizations

**Total Credits**
- Fall: 14-15
- Winter: 16
- Spring: 15

## Second Year

**Fall**
- CH 331 Organic Chem
- BACCORE*
- BACCORE* Lit & Arts or Cult Div
- ST 351 Intro to Statistical Methods

**Winter**
- BRR 200 Science and Research
- CH 332 Organic Chem
- BACCORE*
- BACCORE* Diff, Power and Discrim

**Spring**
- CH 377 Organic Chem Lab
- PH 203 Gen Physics
- WR 327 or 362 Technical/Science Writing
- PHL 205 Ethics (meets BACCORE* Western Culture)

**Opportunities**
- Ambassador/Leadership activities
- Off-campus summer research experiences or internships

**Total Credits**
- Fall: 14
- Winter: 14
- Spring: 16

## Third Year

**Fall**
- BRR 401 Research and Scholarship
- BI 311 Genetics
- MTH 251 Diff Calc or MTH 227 Calc & Prob for Life Sci
- BACCORE* Social Proc & Inst
- Option Specialization Course

**Winter**
- BRR 401 Research and Scholarship
- MTH 252 Integral Calc or MTH 228 Calc & Prob for Life Sci
- 2 OPTION COURSE**

**Spring**
- BRR 401 Research and Scholarship
- BACCORE* Comtemp Global Issues
- 2 OPTION COURSE**
- Unrestricted Electives

**Opportunities**
- Off-campus summer research experiences or internships
- MCATs/GREs graduate school prep
- Investigate AMP (Accelerated Masters Platform)

**Total Credits**
- Fall: 15
- Winter: 15
- Spring: 14

## Fourth Year

**Fall**
- BRR 401 Research and Scholarship
- BRR 409 Practicum
- BB 350 Elementary BioChem or BB 450 Gen BioChem or 490 Bio Chem Struct & Function
- 2 OPTION COURSE**

**Winter**
- BRR 401 Research and Scholarship
- BRR 406 Projects-Data Pres.
- BB 451 Gen Biochem II or BB 314
- 3-4 OPTION COURSE**
- Unrestricted Electives

**Spring**
- BRR 407 Seminar
- BRR 403 Thesis
- 1 OPTION COURSE**
- BACCORE* Science, Tech and Soc

**Opportunities**
- NSF GRFP
- MCATs/GREs graduate school prep for those taking gap year and/or participating in Post-bac training

**Total Credits**
- Fall: 15-16
- Winter: 13-14
- Spring: 16

---


**OPTION COURSE= Course taken depends on option student selects – see the full list of requirements and options at catalog.oregonstate.edu**

---

*Oregon State University
College of Agricultural Sciences*