

Program Research & Recommendation

New Program Proposal Form

| | |
|-----------------------------------|----------------------------------|
| New Program Title: | Crop Science |
| Initiator: | Jennifer Charles-Tollerup |
| First Semester Intended to Offer: | Fall 2027 |

Type of Program

Use AS for any Science, Technology, Engineering, or Mathematics (STEM) field and for all CTE programs. Use AA for all others.

- AA-T/AS-T
- AA/AS (18 units minimum w/o GE)
Vocational programs must be approved by NFN
- CA-Certificate of Achievement (16 units minimum)
Vocational programs must be approved by NFN
Non-vocational programs are not eligible for Financial Aid and will not be shown in CCC Apply, CAP tool, or Degree Planner
- CA-Certificate of Achievement (8 units minimum)
Only needed if required on a student's official transcript; All others use Certificate
Vocational programs must be approved by NFN
Non-vocational programs are not eligible for Financial Aid and will not be shown in CCC Apply, CAP tool, or Degree Planner
- Certificate – Certificate in... (15.5 units maximum)
Not chaptered, not FA eligible, will not be shown in CCC Apply or student's official transcript
Non-vocational programs will not show in CAP tool or Degree Planner
- Noncredit Certificate of Completion (*Leads to job; minimum 2 courses*)
- Noncredit Certificate of Competency (*Bridges to credit coursework; minimum 2 courses*)

Program Codes

| | |
|------------------------------------|--|
| TOP Code: | 0103.00 |
| CIP Code: | 01.0304 |
| What COI will this program be in?: | Industrial Technologies and Agriculture |

Program Description:

This program is meant to align with the CSU, Chico major in the Crops and Horticulture option of the Plant and Soil Science BS as of the 2025-26 articulation agreement published on assist.org.

Crop Science integrates plant biology and soil science to crop production practices such as fertility, irrigation, and pest management in agriculture. Courses cover areas of scientific principles, economic marketplaces, societal food systems, and crop production to equip you with the skills to grow field and horticultural crops. Challenges facing agriculture are opportunities for you to dig in, get dirty, and solve problems. Explore how crop science feeds, fuels, and provides ornamental products to the world.

Program Courses:

| Course No. | Title | Units |
|---------------------------|--|----------|
| AB22 | Agricultural Economics | 3 |
| AET34 | Farm Machinery | 3 |
| STATC1000 | Introduction to Statistics | 4 |
| AGS20 | Plant Science | 3 |
| AGS50 | General Soils | 4 |
| AGS40 or AGS45 | Introduction to Animal Science or Feeds and Feeding | 3 |
| CHEM51 | Elementary Inorganic Chemistry | 5 |
| CHEM52 | Elementary Organic and Biochemistry | 5 |
| EH66 | Orchard Production and Management | 3 |
| EH38 | Greenhouse Production | 3 |

How does the program align with the College Mission Statement, District Educational Plan, and Strategic Plan?

This program fits with the Mission Statement of the college by providing a transfer pathway that allows students to earn both an associate's degree and eventually a bachelor's degree. It fits with the Strategic Plan under initiative #1 Enhancing a Culture of Completion and Goal Achievement by allowing students to complete a program at Butte prior to transfer. It specifically fits under objective 1.2 that we will "Ensure students understand their options for educational goals and that the college provides a clear pathway for reaching their chosen goal."

Explain how the program is appropriate to the Community College mission of providing the first two years of a baccalaureate degree?

This program articulates with the first and second year curriculum at Chico State for the Crops and Horticulture option of the Plant and Soil Science major.

How does the proposal demonstrate need for the program?

Butte College currently offers the AS-T in Plant Science but this does not transfer to the Chico State Plant and Soil Science as well as Agriculture Science degrees as Chico State has deemed the Transfer Model Curriculum not comparable. Chico State's curriculum does not align to the ADT as Chico's degree contains additional requirements not in the ADT. Students who obtain this ADT prior to transfer may be accruing excess general units and/or insufficient major units to truly transfer to Chico State as a third year. Since Chico State is our students' number one transfer destination, it is important that we provide pathways such as the Crop Science degree that mirror the curriculum required by their programs. Our goal is to facilitate our students' education and transfer to baccalaureate institutions in the most seamless fashion. We can achieve this by offering name recognition degrees such as Crop Science that match Chico State degrees to message our current and potential students of the direct pathway from Butte College to Chico State.

Annual Completers: How many students do you anticipate completing this program each year?

Less than 65 based on previous awards in AGS.

What are the impacts on existing programs (enrollment, staffing, section offerings)?

Students are currently enrolling in all the courses in the proposed Crop Science program required for the AS and BS as the courses align with all the Crops and Horticulture option of the Plant and Soil Science major at Chico State. The additional requirement of CHEM52 may incur an impact on enrollment, staffing, and section offerings as this course is not currently a requirement in any AGS program. The Crop Science AS degree provides a straightforward curricular path to follow to the Crops and Horticulture BS at Chico State ensuring students access to all possible undergraduate preparation that we offer towards that goal.

Enter the number of new faculty positions, both part- and full-time. If existing faculty are sufficient, enter zero (0)

0

Is there sufficiency of institutional resources to support the long-term vitality of the program?

Yes, the program courses are currently offered and staffed.

New Equipment needed (include cost)

None

New/Remodeled Facilities (include cost)

None

Library Acquisitions (include cost)

None

Is the program compliant with all applicable laws, regulations, and curriculum standards?

Yes

Will the program be eligible for Financial Aid (CA's with vocational TOP and degrees)?

Yes

Distance Education - Indicate the extent to which the courses associated with the degree are conducted via distance education _____0%, X 1-49%, _____50-99%, _____100%

For Career Education Programs: Provide labor market information (LMI) and other employers demand documentation demonstrating that there are jobs and careers available for program graduates

Signature: _____

Date: _____

Contact Information: charles-tollerupje@butte.edu

Return This Form to Scheduling Center for processing at Centersh@butte.edu