

### Item No. 1 Program Goals and Objectives

The goal of the program is to provide students with a comprehensive knowledge of agricultural science principles that are necessary for transfer into well-respected university programs, such as Cal Poly State University at San Luis Obispo. This goal will be accomplished by requiring broad yet relevant coursework to educate students in the basic sciences encountered in the field of agriculture. This goal will further be supported by offering a degree pathway that aligns with the curricular transfer selection criteria for the most desired university agricultural science program.

### Item No. 2 Catalog Description

Allan Hancock College's Agricultural Science Program is designed for students preparing for, or advancing in careers in agricultural sciences. The agricultural science transfer program will prepare students to meet the selection criteria for transfer to university agricultural science programs. This program will provide students with diverse academic preparation for career opportunities such as pest management, agronomy, plant science, animal science, environmental horticulture, soil science, orchard/vineyard management, agriculture sales and marketing, farm management, greenhouse and nursery operations, agricultural inspection, crop advising, agriculture education, and agriculture communication. Students will gain practical skills in effective communication, problem-solving, critical thinking, collaboration, and leadership through hands-on learning and field trips to local agricultural institutions. This program will adequately prepare students to transfer for further study in many agricultural science fields including: Agricultural Science, Agricultural Education, Agricultural Communication, Soil Science, Fruit Science, Vegetable Science, Animal Science, or Sustainable Agriculture.

### **The graduate of the Associate in Science in Agricultural Science will:**

- apply current agricultural industry standards, laws and regulations in the agricultural sciences or related fields
- demonstrate knowledge of soils, fertilizers, plant nutrition, and current industry growing techniques and apply this understanding to successfully produce agricultural crops
- identify common insect and disease pests and use knowledge of pest life cycles to recommend pest prevention and management plans.
- employ effective business skills using industry analysis, market trends, business plans and other standard agribusiness techniques, when presented with a farm or ranch management situation.
- assess and differentiate effects of agricultural activities in plant and cropping systems, while describing alternative practices in order to make sound agricultural decisions that ensure the quality and success of a crop.
- demonstrate an understanding of crop plant biological functions and their application to successful commodity production.
- demonstrate basic worker safety practices.

Item No. 3 Program Requirements

**A major of 21 units is required for the associate in science degree.**

**Required core courses 21 units**

AG125	Introduction to Soil Science	4
AG152	Introduction to Animal Science	3
AG157	Agricultural Sales, Communication & Leadership	3
AG158	Agricultural Economics	3
AG161	Introduction to Plant Science	4
CHEM120	Introductory Chemistry	4
Total Major Units		21
General Education Units		
Graduation Requirements		
Double Counted Units		
Electives		
Total Program Units		60

Suggested Program Sequence:

FALL SEMESTER (YEAR 1)

Course #	Course Title	Units
CHEM 120	Introductory Chemistry	4
AG 158	Agricultural Economics	3
ENGL 101	Freshman Composition	4
Elective	100-level course	3
		TOTAL UNITS = 14

SPRING SEMESTER (YEAR 1)

Course #	Course Title	Units
AG 152	Introduction to Animal Science	3
Elective	Major Elective Group 1	3
Elective	Major Elective Group 2	3
AHC Grad Req.	Math Competency	3-5
AHC Grad Req.	Health Education or First Aid	3
AHC Grad Req.	Dance or Physical Activity	3-5
		TOTAL UNITS = 18-22

FALL SEMESTER (YEAR 2)

Course #	Course Title	Units
AG 125	Introduction to Soil Science	4
AG 161	Introduction to Plant Science	4
AHC GE Req.	Category 2A: Social Sciences	3
AHC GE Req.	Category 2B: American History or Government	3
AHC GE Req.	Category 5: Living Skills	3
		TOTAL UNITS = 17

SPRING SEMESTER (YEAR 2)

Course #	Course Title	Units
AG 157	Agricultural Sales, Communication & Leadership	3
Elective	Major Elective Group 3	3
AHC GE Req.	Category 1: Natural Science	3-4
AHC GE Req.	Category 3: Humanities	3
AHC GRAD Req.	Multicultural and Gender Studies	3
AHC GE Req.	Category 4B: Comm. & Analytical Thinking	3
		TOTAL UNITS = 18-19

Item No. 4 Master Planning

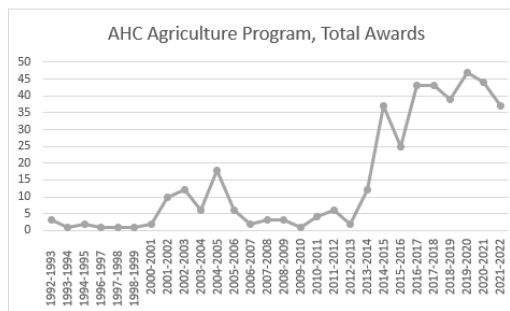
This proposal aims to align with Hancock's mission to "provide quality educational opportunities that enhance student learning" by aligning with the transfer selection criteria necessary for acceptance into the most desired university transfer program in agricultural science. Cal Poly SLO agriculture faculty and administrators have reached out to seek an increase in AHC transfer students into their programs and this additional degree pathway will meet the transfer selection criteria to improve student transfer success into this competitive and desirable university program.

Item No. 5 Enrollment and Completer Projections: 15

Include number of degrees and certificates awarded in existing ag programs, and course enrollment data(ag courses) from program review document. See CO Data Mart

[https://datamart.cccco.edu/Outcomes/Program\\_Awards.aspx](https://datamart.cccco.edu/Outcomes/Program_Awards.aspx)

	1992-1993	1993-1994	1994-1995	1995-1996	1996-1997	1997-1998	1998-1999	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	
Allian Hancock Total	3	1	2	1	1	1	1	2	10	12	6	18	6	2	3	3	1	4	6	2	12	37	25	43	43	39	47	44	37		
Associate in Science for Transfer (A.S.-T) Degree																															
Associate of Science (A.S.) degree	1	1	2						3	5	1	9	3	1	3	2	1	2	4	1	5	8	9	5	5	11	10	11	7		
Associate of Arts (A.A.) degree				1	1	1	1	2		1	2								2	2		3	3	7	9	8	5	6	9	7	
Certificate requiring 30 to < 60 semester units	2																					1									
Certificate requiring 18 to < 30 semester units								1	2	1	2	2	1								1	3	3	9	22	10	20				
Certificate requiring 16 to fewer than 30 semester units																													22	13	7
Other Credit Award, < 6 semester units									3	6	2	5	2	1			1														
Noncredit award requiring from 48 to < 96 hours																							23		7	20	3	8	3	1	



There is a related degree in Agriculture which is designed for students who wish to enter the workforce with an A.S. and coursework that aligns with industry needs. That degree also adequately prepares students to meet transfer requirements for most CSUs, however the courses for this new degree program specifically satisfy the transfer selection criteria required for transfer to Cal Poly's Agricultural Science pathway.

**Item No. 6 Place of Program in Existing Curriculum**

There is a related degree in Agriculture, which is designed for students who wish to enter the workforce with an A.S. and coursework that aligns with industry needs or who wish to transfer to any number of CSU campuses other than Cal Poly San Luis Obispo. The courses for this new Agricultural Science program already exist and are required for transfer to Cal Poly's Agricultural Science pathway. This degree is tailored to meet the Cal Poly SLO transfer selection criteria so that students who wish to transfer to the Cal Poly Agricultural Science program can both meet transfer requirements and also qualify to earn an associate's degree from AHC.

**Item No. 7 Similar Programs in Service Area**

No similar programs exist within commuting distance or service area of Allan Hancock College. The only programs offered at Cuesta College do not meet the same academic needs as the proposed degree:

COCI
Home Programs Courses Resources Login

## Programs

Export to Excel

**Search Criteria**

College: ANTELOPE VALLEY x SANTA BARBARA CITY x CUESTA x OXNARD x VENTURA x MOORPARK x CANYONS x ALLAN HANCOCK x

Goal: ▼

TOP Code: 0101

CIP Code: ▼

Status: ▼

Award: ▼

Program Sub Award: ▼

Show 10 entries

College	Control Number	Title	TOP Code	CIP Code	Goal	Award	Sub Award	Status
ALLAN HANCOCK	33843	Agricultural Science	0101.00* Agriculture Technology and Sciences, General	01.0000 Agriculture, Agriculture Operations, And Related Sciences.	CTE (Limited to programs in CTE TOP codes other than ADTs)	Certificate of Achievement requiring 16 to less than 30 semester units or 24 to less than 45 quarter units		Active
ALLAN HANCOCK	33865	Agricultural Science	0101.00* Agriculture Technology and Sciences, General	01.0000 Agriculture, Agriculture Operations, And Related Sciences.	CTE (Limited to programs in CTE TOP codes other than ADTs)	A.S. Degree		Active
CUESTA	40057	FARM MANAGEMENT	0101.00* Agriculture Technology and Sciences, General	01.0000 Agriculture, Agriculture Operations, And Related Sciences.	CTE (Limited to programs in CTE TOP codes other than ADTs)	Certificate of Achievement requiring 16 to less than 30 semester units or 24 to less than 45 quarter units		Active

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