



MEMORANDUM OF UNDERSTANDING

between

Columbia Basin College

and

*the College of Agricultural, Human, and Natural Resource Sciences
Washington State University*



Columbia Basin College (CBC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from CBC to WSU with Associates of Arts (AA) Degree with an Emphasis in Crop & Soil Science (DTA) who follow the attached advising recommendations and matriculate into Bachelor in Science in Integrated Plant Sciences degree in Field Crop Management in the College of Agricultural, Human, and Natural Resource Sciences (CAHNRS) at Washington State University.

This Customized Articulation Agreement is intended to eliminate duplication of coursework and better integrate programs to ensure a more efficient pathway to graduation. The purpose of this set of advising recommendations is to provide students of CBC a more efficient transfer pathway to Washington State University (WSU). Students who complete the AA degree with an Emphasis in Crop & Soil Science with at least a 2.0 cumulative grade point average will be certified as Field Crop Management majors at WSU; and will be granted Junior standing, assuming the total number of credits accepted in transfer equals at least 60 semester credits.


Transfer coursework for students completing the CBC degree covered by this MOU will be applied to the Washington State University Common Requirements (UCORE, the general education program), as applicable under the WSU Transfer Course Equivalency Guidelines, and to the individual degree options within the CAHNRS as specified in this agreement. The transfer of credit allowed under this MOU is structured to maximize the use of CBC credit applicable to each specific degree option, up to the total of 73 semester credits of lower-division transfer credit allowed under Washington State University policy. All such credit not applicable under the WSU Transfer Course Equivalency Guidelines applies only to the WSU degree(s) covered by this agreement. If students transfer prior to completing the transfer degree, acceptance of the courses toward a WSU degree will be based on WSU Transfer Equivalency Guidelines.

The agreed upon courses of study are outlined in Attachments A and B of this MOU. Attachment A details the specific *set of requirements to be completed* at CBC and Washington State University in order to earn Bachelor of Science in Integrated Plant Sciences degree in Field Crop Management. Attachment B specifies the required *term-by-term course of study* as offered by CBC and WSU.

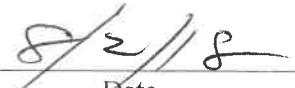
The required course of study may be changed at any time with the mutual written agreement of the participating institutions. At such time, the Attachments to this MOU will be updated. Suggestions about which courses of study need to be reviewed will be called for each year. However, unless otherwise agreed upon by both institutions on an individual student basis, students will be responsible for the course of study at CBC and Washington State University in effect at the time the student enters the CBC Associates in Arts degree in Crop & Soil Science specified in this MOU.

The undersigned certify this Memorandum of Understanding:

Washington State University



Dr. Daniel J. Bernardo, Provost




Date



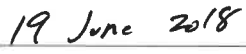
Dr. Mary Wack, Vice Provost for Undergraduate Education



Date



Dr. Richard Zack, Interim Associate Dean of Academic Programs
College of Agricultural, Human, and Natural Resource Sciences



Date

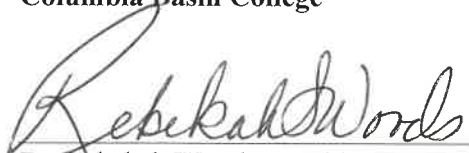


Dr. Rich Koenig, Chair of Crop & Soil Sciences




Date

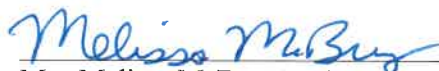
Columbia Basin College



Dr. Rebekah Woods, President



Date



Ms. Melissa McBurney, Associate Vice President for Instruction
of Professional Technical Education & Industrial Services
Instructional



Date

ATTACHMENT A

Articulation Planning Grid

**Columbia Basin College (CBC), Associates of Arts Degree, Emphasis in Crop & Soil Science (DTA) →
WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management**

| CI Courses & Semester Credit Equivalents ¹ | | WSU Requirements & Semester Credits | |
|---|------|---|-----------|
| A: WSU UCORE Requirements | | | |
| First-Year Experience | | | 3 |
| HIST& 128 | 3.35 | [ROOT] Roots of Contemporary Issues = HIST 105 | |
| Foundational Competencies | | | 9 |
| MATH& 146 | 3.35 | [QUAN] Quantitative Reasoning = STAT 212 | |
| ENGL& 101 | 3.35 | [WRTG] Written Communication = ENGLISH 101 | |
| <i>One WRTG required plus either WRTG or COMM</i> | | | |
| CMST& 220 | 3.35 | [COMM] Communication = COM 102 | |
| Ways of Knowing | | | 16 |
| ECON& 201 | 3.35 | [SSCI] Inquiry in the Social Sciences = ECONS 101 | |
| HIST& 146 | 3.35 | [HUM] Inquiry in the Humanities = HISTORY 110 | |
| ART& 100 | 3.35 | [ARTS] Inquiry in the Creative and Professional Arts = FINE_ART 101 | |
| Inquiry in the Natural Sciences | | | |
| | | [BSCI] Biological Science = BIOLOGY 107 AND | 4 |
| CHEM& 121 | 3.35 | [PSCI] Physical Science = CHEM 101 ² | |
| Integrative and Applied Learning | | | 6 |
| HIST& 126 | 3.35 | [DIVR] Diversity = HISTORY 120 | |
| | | [CAPS] Integrative Capstone <i>400-level</i> | 3 |
| UCORE Credits at WSU at lower-division³ | | | 4 |
| UCORE Credits at WSU at upper-division⁴ | | | 3 |
| Total UCORE Credits to be completed at WSU | | | 7 |

| B: WSU Writing Requirements | |
|---|-------------------------------------|
| Writing in the Major (min. of two [M] courses) | CROP_SCI 411 AFS 302 |
| Writing Portfolio | |
| CI Courses & Semester Credit Equivalents ¹ | WSU Requirements & Semester Credits |

| C: Core Program Requirements | | | |
|--|------|------------------------------|-----------|
| BIOL 140 | 3.35 | BIOL 120 | |
| CHEM& 122 + 123 ² | 6.70 | CHEM 102 | |
| HORT 202 | 3.35 | CROP_SCI/ HORT 102 | |
| HORT 203 | 3.35 | CROP_SCI/ HORT 202 | |
| BIOL 201 | 3.35 | SOIL_SCI 201 & 201 | |
| BIOL 252 | 3.35 | ENTOM 343 | |
| | | ENTOM 351 | 3 |
| | | CROP_SCI 411 [M] or HORT 416 | 3 |
| | | PL_P 429 | 3 |
| | | CROP_SCI 495, 498, or 499 | 3 |
| | | CROP_SCI 412 | 1 |
| Core Credits at WSU at lower-division³ | | | 0 |
| Core Credits at WSU at upper-division⁴ | | | 13 |

| CI Courses & Semester Credit Equivalents ¹ | | WSU Requirements & Semester Credits | |
|--|--|--|-----------|
| D: Major/Option Requirements | | | |
| | | MATH 106 + 108 | 5 |
| | | CROP_SCI 302 | 3 |
| | | CROP_SCI 305 | 3 |
| | | CROP_SCI 403 | 3 |
| | | SOIL_SCI 441 | 3 |
| | | IPM 452 | 3 |
| | | ECONS 350 or ECONS 352 | 3 |
| | | AFS 302 (satisfies Major Elective and [M]) | 3 |
| | | Major Electives (upper division) | 6 |
| Major/Option Credits at WSU at lower-division³ | | | 5 |
| Major/Option Credits at WSU at upper-division⁴ | | | 27 |

| CI Courses & Semester Credit Equivalents ¹ | | WSU Requirements & Semester Credits | |
|--|------|-------------------------------------|----------|
| E: Electives | | | |
| ENGL& 102 | 3.35 | ENGLISH 1XX | |
| Health & Physical Education | 3.35 | Electives | |
| ECON& 202 | 3.35 | Electives | |
| | | Elective | 3 |
| Elective Credits at WSU at lower-division³ | | | 3 |
| Elective Credits at WSU at upper-division⁴ | | | 0 |

| SUMMARY | |
|--|---------------|
| Minimum Credits for WSU degree⁵ | 120 |
| Total Upper-Division Credits at WSU⁴ | 43 |
| Total Semester Credits transferred to WSU⁶ | 65.66 |
| Total UCORE Credits to be completed at WSU | 7 |
| Total Core Credits to be completed at WSU | 13 |
| Total Major Credits to be completed at WSU | 32 |
| Total Elective Credits to be completed at WSU | 3 |
| Total Credits to be completed at WSU | 55 |
| Total Credits to complete articulated agreement | 120.66 |

ATTACHMENT A

Articulation Planning Grid

**Columbia Basin College (CBC), Associates of Arts Degree, Emphasis in Crop & Soil Science (DTA) →
WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management**

NOTES:

- ¹ Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- ² CHEM& 121 is not a direct equivalent to CHEM 101. Students must complete the entire series of CHEM& 121, 122, and 123 to be equivalent to CHEM 101 and 102 at WSU.
- ³ Upper-division courses may also fulfill these requirements.
- ⁴ A minimum of 40 semester hours must be upper-division (300-400) credit (Rule 114).
- ⁵ Minimum WSU graduation requirements are 120 total semester hours and a 2.0 overall grade point average (GPA). Each department may have specific GPA requirements.
- ⁶ The maximum combined lower-division transfer credit allowed [from regionally accredited institutions, CLEP (College Level Examination Program), AP (Advanced Placement), IB (International Baccalaureate), Cambridge International, military, and any other source] shall be 73 semester credit hours toward a baccalaureate degree irrespective of when those hours were earned.

ATTACHMENT B

Term-by-Term Planning Sheet

**Columbia Basin College (CBC), Associates of Arts Degree, Crop & Soil Science →
WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management**

Columbia Basin College

| Course # | Course Title | Quarter Credits | Sem. Credits ¹ |
|--------------------------------|--------------------------|-----------------|---------------------------|
| Year 1 - Fall Quarter | | | |
| BIOL 140 | Botany w/ Lab | 5 | 3.35 |
| ENGL&101 | English Composition | 5 | 3.35 |
| MATH& 146 | Introduction to Stats | 5 | 3.35 |
| <i>Total Quarter Credits</i> | | 15 | 10.05 |
| Year 1 - Winter Quarter | | | |
| HORT 202 | Cultivated Plants w/ Lab | 5 | 3.35 |
| ENGL& 102 | English Composition II | 5 | 3.35 |
| HIST& 126 | World Civilizations I | 5 | 3.35 |
| <i>Total Quarter Credits</i> | | 15 | 10.05 |
| Year 1 - Spring Quarter | | | |
| HIST& 146 | U.S. History I [S/B] | 5 | 3.35 |
| | General Elective | 5 | 3.35 |
| BIOL 201 | Soils w/ Lab | 5 | 3.35 |
| <i>Total Quarter Credits</i> | | 15 | 10.05 |
| Year One Total | | 45 | 30.15 |

| | | | |
|--------------------------------|------------------------------------|-----------|-------------|
| Year 2 - Fall Quarter | | | |
| HORT 203 | Crop Growth and Development w/ Lab | 5 | 3.35 |
| CMST& 220 | Public Speaking | 5 | 3.35 |
| HIST& 128 | World Civilizations III | 5 | 3.35 |
| CHEM& 121 | Intro to Chemistry w/ Lab | 5 | 3.35 |
| <i>Total Quarter Credits</i> | | 20 | 13.4 |
| Year 2 - Winter Quarter | | | |
| ART& 100 | Art Appreciation [H] | 5 | 3.35 |
| ECON& 201 | Micro Economics | 5 | 3.35 |
| CHEM& 122 | Intro to Organic Chemistry w/ Lab | 5 | 3.35 |
| | Health & PE Requirement | 3 | 2.01 |
| <i>Total Quarter Credits</i> | | 18 | 12.06 |
| Year 2 - Spring Quarter | | | |
| BIOL 252 | Insects of Economic | 5 | 3.35 |
| ECON 202 | Macro Economics | 5 | 3.35 |
| CHEM& 123 | Intro to Biochemistry w/ Lab | 5 | 3.35 |
| <i>Total Quarter Credits</i> | | 15 | 10.05 |
| Year Two Total | | 53 | 33.5 |

| | | |
|--------------------------|-----------|--------------|
| Total CBC Credits | 95 | 65.66 |
|--------------------------|-----------|--------------|

Washington State University

Year 3 - Fall Semester

| Course # | Course Title | Sem. Credits |
|------------------------|-------------------------------|--------------|
| MATH 106 | College Algebra | 3 |
| BIOLOGY 107 | Intro Cell Biology & Genetics | 4 |
| | General Elective | 3 |
| ECONS 350 ² | Intro to Farm & Ranch Mngt | 3 |
| Total Credits | | 13 |

Year 3 - Spring Semester

| Course # | Course Title | Sem. Credits |
|------------------------|---|--------------|
| MATH 108 | Trigonometry | 2 |
| CROP_SCI 302 | Forage Crops | 3 |
| ENTOM 351 | Ecological & Integrated Pest Management | 3 |
| CROP_SCI 495, 498, 499 | Research Experience, Internship, Special Problems | 3 |
| AFS 302 | Intro to Agroecology [M] | 3 |
| Total Credits | | 14 |

Year 4 - Fall Semester

| Course # | Course Title | Sem. Credits |
|-------------------------------|---------------------------------|--------------|
| CROP_SCI 305 | Ecology and Management of Weeds | 3 |
| CROP_SCI 411 [M] ⁴ | Crop Environment Interactions | 3 |
| CROP_SCI 403 | Advanced Cropping Systems | 3 |
| PL P 429 | General Plant Pathology | 3 |
| | Major Elective ³ | 3 |
| Total Credits | | 15 |

Year 4 - Spring Semester

| Course # | Course Title | Sem. Credits |
|----------------------|--------------------------------|--------------|
| CROP_SCI 412 | Seminar | 1 |
| IPM 452 | Pesticides and the Environment | 3 |
| SOIL_SCI 441 | Soil Fertility | 3 |
| | Major Elective ³ | 3 |
| | Integrative Capstone [CAPS] | 3 |
| Total Credits | | 13 |

| | |
|--------------------------|-----------|
| TOTAL WSU CREDITS | 55 |
|--------------------------|-----------|

ATTACHMENT B

Term-by-Term Planning Sheet

**Columbia Basin College (CBC), Associates of Arts Degree, Crop & Soil Science →
WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management**

NOTES:

- ¹ Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- ² ECONS 352 can be taken in the spring as an alternative to ECONS 350.
- ³ Major Electives: AFS 302, CROP_SCI 360, 401, 445, ENTOM 361, HORT 310, 357, SOIL_SCI 442, and/or consult with your advisor.
- ⁴ HORT 416 can be taken in the spring as an alternative to CROP_SCI 411.