

**Docket Item:**

HB 2998 Transfer Pathways Memoranda of Understanding: Computer Science and Business Major Transfer Maps

**Summary:**

At the May 2020 HECC meeting the Commission approved two new types of degrees in order to comply with Oregon Revised Statute 350.404 for unified statewide transfer agreements, the Associate of Arts Transfer and the Associate of Science Transfer. These new degrees are designed to provide students strong credit transfer guarantees and lower cost.

The Computer Science MTM MOU and Business MTM MOU for the new major specific degrees have been signed by all public community colleges and universities that offer the degree programs.

The two new associate's degrees are: Computer Science Associate of Science Transfer Degree, and Business Associate of Science Transfer. Upon Commission approval of the degrees, community colleges can start their institutional degree approval process.

**Material:**

- Computer Science MOU
- Business MOU

**Staff Recommendation:**

Staff recommends the Commission recommends adopt the following resolutions:

RESOLVED, that the Higher Education Coordinating Commission approve the Computer Science Associate of Science. (AST-Computer Science)

RESOLVED, that the Higher Education Coordinating Commission approve the Business Associate of Science Transfer Degree. (AST-Business)



STATEWIDE ARTICULATION  
AGREEMENT: MAJOR  
TRANSFER MAP IN  
COMPUTER SCIENCE

A statewide transfer agreement that identifies the community college courses needed to transfer to any Oregon public university as a junior seeking a Bachelor of Science in Computer Science.



Statewide Transfer Articulation Agreement:

Major Transfer Map in Computer Science

90-100 Credits or Optimal  
Transfer Point

From: All Oregon Community Colleges

To: All Oregon Public Universities

Introduction: Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30-credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM.

The statewide Computer Science Major Transfer Map (MTM) will use the format of an Associate of Science Transfer degree.

The MTMs identify the optimal and specific set of community college courses students need to take to transfer efficiently into the major at the university. The successful completion of the MTM allows students to receive status at the public university, based on the number of academic credits referenced in the transfer agreement, including at least 30 credits of general education satisfied, that is comparable to the status of students with the same number of academic credits in the major course of study who began their postsecondary studies at the public university. The students will not be required to retake a course, as long as the minimum required grades have been earned.

Students must have earned a cumulative grade point average of 2.0 and meet the residency requirements at the community college awarding the MTM.

When students complete an MTM, the general education courses in the "Core Transfer Map" portion of the MTM, for which minimum required grades have been earned, are guaranteed to transfer into general education, degree, or major requirements for a bachelor's degree at any Oregon public university (ORS 350.404). However, while CTM-related courses are guaranteed to transfer into general education, degree, or major requirements, students completing an MTM will not be awarded a CTM also.

Students who want to transfer prior to completing the MTM should talk with their community college advisor and an advisor at their target university prior to transfer about how their courses will count towards general education requirements and degree/major requirements. If the MTM is not awarded advisors can guide students to determine if they are eligible for a CTM.

Students are responsible for informing the admissions counselor or intake advisor at their receiving four-year institution that they are completing an MTM. It is important for students to understand that completing the MTM in two years and the bachelor's degree in four years requires them to complete a minimum average of 15 credits per quarter (or 45 credits per year).

The guarantees and limitations below describe the minimum requirements to which all participating institutions have agreed. If an institution is not meeting the guarantees described below a complaint can be filed with the Oregon Transfer Advisory Committee (OTAC).<sup>1</sup>

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<sup>1</sup> Sections of this contract are modified versions of contracts from Colorado and Washington.

## Part 1: Guarantees

Students who complete all the requirements of an MTM (i.e. an MTM associate's degrees or an MTM non-degree package when optimal transfer requires fewer than 90 credits) as defined in the specific MTM agreement, who have earned the minimum required grades and a cumulative 2.0 GPA or higher, meet residency requirements, and who are admitted to the receiving institution's corresponding major/degree program are guaranteed the following:

1. Status within the major at the public university that is comparable to the status of students with the same number of academic credits in the major course of study who began at the public university (when the MTM is equal to at least 90 credits this would equate to receiving "junior status in the major course of study at the public university").
2. Eligibility to graduate following the degree/major requirements in effect at the university during the academic year the student first enrolled in the community college that awarded the MTM. If the student does not complete the degree within 7 years of the first enrollment at the community college awarding the MTM, they should meet with an advisor to determine which catalog to use.
3. All courses in the MTM will transfer individually. If a student transfers before completing the MTM, all courses will still transfer but may not apply in the same way as they would if the MTM was completed. If the CTM has been awarded, the guarantees inherent in the CTM apply.
4. The ability to file a complaint with the Oregon Transfer and Articulation Committee (OTAC) if the guarantees of the MTM are not being met. OTAC will review complaints submitted to the Higher Education Coordinating Commission (HECC) or to OTAC regarding Oregon's statewide transfer tools and degrees and recommend next steps that support dispute resolution. Note:
  - Students should first follow their home institution's internal complaint process (e.g. talk to their academic advisor, academic unit, Registrar, or Provost)
  - The HECC has authority to handle student complaints but only if they are related to discrimination or retaliation
5. While OTAC does not have legal authority over transfer complaints, as the only statewide transfer advisory body, OTAC can make recommendations and assist institutions and students in resolving compliance issues.
6. Students who successfully complete the MTM at a community college will have the MTM notated on their transcript. If the MTM takes the form of an associate's degree, it will be reflected in the standard degree posting format used by the community college. If the MTM is not an associate's degree, but rather an optimal transfer point with fewer than 90 credits, it will be posted as a notation on the community college transcript.

## Part 2: Limitations

Completion of the prescribed curriculum in the statewide transfer articulation agreement does not guarantee admission to a participating receiving institution. Students must meet all admission and application requirements at the receiving institution in place at the time of admission, including the submission of all required documentation by stated deadlines.

1. Minimum grades required for general transfer and for application to major requirements and prerequisites may vary by each Oregon public university and by each degree/major. Each MTM agreement will specifically list the minimum grade requirements that will guarantee transfer including minimum required grades for major courses and Pass/No Pass limitations. All schools

accept a grade of a “C -” or better in all general education courses. Students should contact the admissions counselor or intake advisor at the university they intend to transfer to for more information.

2. Completion of an MTM and admission to a receiving institution does not guarantee enrollment in a specific degree program. Some programs at receiving institutions have controlled and/or competitive entry due either to space limitations or academic requirements.
3. The credit and course transfer guarantees described in the specific MTM agreements apply only to the specific degree programs covered by the agreement. Therefore, if a student changes to a new major some courses may not apply the same way towards the new major as they would for the original major. When students change majors the old MTM major guarantees may no longer apply and receiving institutions will evaluate applicability of transfer on a course-by- course basis.
4. AP (Advanced Placement) and IB (International Baccalaureate) credit:
  - General Education Courses in the MTM:  
AP and IB articulated credits used to meet the general education components of the Major Transfer Map will transfer, and are guaranteed to fulfill general education requirements at the receiving institution, as long as the articulated credits are listed on the Advanced Placement and International Baccalaureate Statewide Course Credit Policy found on the HECC website.
  - AP (Advanced Placement) and IB (International Baccalaureate) in the MTM:  
Using the current AP and IB Statewide Course Credit Policy as a reference, the Major Transfer Map workgroup will assess how AP/IB exam scores apply to the MTM (range of credits and course articulations). In particular, the MTM workgroup will identify whether the credit range and course articulation of AP/IB exam scores differ among the 17 community colleges and 7 public universities in ways that create transfer misalignment for students earning the MTM.

The workgroup will refer all areas of misalignment to the AP/IB Statewide Policy Group, which will work with the higher education institutions’ appropriate representatives (including faculty and academic leadership) to resolve the areas of misalignment by establishing common range of credits and defined articulations across the 17/7 so that AP/IB exam credit awarded at any community college will transfer to all public universities and apply as intended in the MTM.

If 17/7 alignment in range of credits and course articulation for AP/IB exam scores is not possible, the MTM workgroup will determine whether the differences constitute acceptable and warranted variance within the MTM. If so, the workgroup will recommend the variance to OTAC when it submits the MTM to OTAC for the approval process. If the MTM workgroup determines that uniformity is necessary, and a particular institution elects not to conform, that school is choosing not to be a participant in that particular MTM. Please note that each Oregon public university has differing policies on institutionally administered exams (sometimes called Challenge Exams) and students should contact the admissions counselor or intake advisor at the university students intend to transfer to for more information.
5. Students should consult with advisors at their community college and receiving university if they have additional questions.

### Part 3: Institutional Obligations

1. Oregon public universities and community colleges, under advisement from OTAC and HECC, will build an alert mechanism into their curriculum review process for changes related to courses, programs, or admission that may impact the MTM.
  - The institution proposing a change in required or pre-requisite courses, with potential to impact lower-division course taking will alert their Registrar and Major Transfer Map group to review the change.
  - If the proposed change creates a need to modify lower-division course taking as defined in the existing MTM, the OTAC representative from the particular MTM group will bring the issue to OTAC for review to determine if updates need to be made to the agreement.
  - All public higher education institutions who are signatories of the agreement are expected to stay in alignment with the approved MTM. Changes to courses included in the MTM that will affect their transferability must be approved by the MTM group and OTAC before taking effect.
  - MTM groups are expected to meet annually or as needed to ensure continued alignment and the effective dates will be reflected in each MTM. Catalog rights follow the MTM.
  - If valid reasons exist that prevent sufficient alignment, a given institution may have to exit the agreement. In such cases, the Provost of the university must notify OTAC and work out an effective timeline for leaving the agreement such that the university honors the catalog year guarantees and provides a workable teach-out plan so students in the pipeline are held harmless.
2. Oregon public higher education institutions agree that where university-specific curricular variance exists within the MTM, it is identified and justified. Acceptable justifications should be related to student benefit, necessity for academic success in meeting future requirements at the junior/senior/graduate school/employment level, and immovable external requirements such as accreditation requirement differences.
3. Participating institutions agree to continue to work toward maximizing course alignment as much as possible with the goal of awarding direct equivalency for all MTM courses, even when a transferring student has not completed the entire MTM.

#### Part 4: Prescribed Curriculum

The Computer Science Major Transfer Map (MTM) outlines Oregon community college coursework to complete in order to transfer seamlessly to any Oregon four-year public university to earn a bachelor of science (B.S.) in computer science. The Computer Science MTM is intended for students who know they want to transfer and earn a B.S. in computer science, but who are unsure of their intended transfer destination when they begin their community college studies. Students should work with their community college advisor to ensure they properly fulfill the requirements of this Computer Science MTM.

Students who complete courses that fit the listed Computer Science MTM categories and complete all science series coursework at one school can expect that all of their courses will transfer into general education, major requirements, or electives at any Oregon public university offering a bachelor of science (B.S.) in computer science. Students who complete all of the listed coursework and have a total of 90 credits can also complete an associate degree. Because completion of the listed coursework or an associate degree is not required, students can transfer to their intended university at any time. Completion of the CTM and the MTM required courses are sufficient to enable transfer at Junior standing within the major. **The course substitutions and recommendations listed below should only be considered by students who are certain of both their intended major and transfer destination.** There is a decision point at the end of the first year of community college studies, at which point a student must decide between transfer to the OSU/PSU/UO cluster or the EOU/SOU/WOU cluster of university degree programs.

Note that in order for a student to successfully transfer to an Oregon public university, students must: 1) earn a minimum letter grade in courses in the major (see Table 3 below); 2) take courses in the major for a letter grade—they will not be accepted as “pass/no pass”; and 3) earn a cumulative grade point average of 2.0 (unless otherwise indicated below in Table 3). Students must also regularly meet with an advisor. Students are strongly encouraged to: 1) seek advising before registering for their first term of community college; 2) seek advising after they have completed the 30-38 credits of the Core Transfer Requirements; and 3) seek advising and meet with a transfer coordinator before registration opens at the beginning of the students second year in college. Students should also be aware that if they want to complete this Major Transfer Map in two years, they should take an average of 45 credits per year (average of 15 credits per quarter). Finally, to earn an associate degree, students will need to successfully complete at least 90 credits.

Six of the seven public universities in Oregon offer a computer science B.S. degree:

Eastern Oregon University: (<https://www.eou.edu/computer-science/>)

Oregon State University: (<https://eecs.oregonstate.edu/undergraduate-programs/computer-science>)

Portland State University: (<https://www.pdx.edu/computer-science/>)

Southern Oregon University: (<https://sou.edu/academics/computer-science/>)

University of Oregon: (<https://cs.uoregon.edu/undergraduate-education>)

Western Oregon University: (<https://wou.edu/academics/computer-science/>)



Table 1

| CORE TRANSFER REQUIREMENTS   |  |              |
|--|--|--------------|
| <i>See an advisor for recommended courses before your first term</i>                                       |  |              |
| <i>Writing</i>   |  |              |
| 1 course   | WR121  | 3-4          |
| <i>Arts &amp; Letters</i>  |  |              |
| 1 <sup>st</sup> course   | Choose from AAOT-approved courses  | 3-4          |
| 2 <sup>nd</sup> course   | Choose from AAOT-approved courses  | 3-4          |
| <i>Social Sciences</i>   |  |              |
| 1 <sup>st</sup> course   | Choose from AAOT-approved courses  | 3-4          |
| 2 <sup>nd</sup> course   | Choose from AAOT-approved courses  | 3-4          |
| <i>Natural Sciences</i>  |  |              |
| 2 courses  | Select two lab science courses; this selection should occur after deciding between OSU/PSU/UO and EOU/SOU/WOU clusters <ul style="list-style-type: none"> <li>• OSU/PSU/UO: Phys 211-212 OR Chem 221-222 OR Bio 211-212</li> <li>• EOU/SOU/WOU: any two lab science courses</li> </ul> | 8-10         |
| <i>Mathematics</i>   |  |              |
| 2 courses  | MATH 111, MATH 112   | 8            |
| <i>At least 1 Core Transfer Requirement course must also be an AAOT-approved Cultural Literacy Course.</i> |  |              |
| <b>Core Transfer Requirement Total</b>   |  | <b>31-38</b> |

Table 2

| ADDITIONAL MAJOR TRANSFER MAP COURSES         |                                |       |  |           |
|---|--------------------------------|-------|--|-----------|
| <i>See an advisor for recommended courses</i> |                                |       |  |           |
|   | EOU/SOU/WOU cluster            |       | OSU/PSU/UO cluster   |           |
| <b>General Education</b>                      |                                |       |  |           |
| Writing                                       | WR122                          | 3-4   | WR227  | 3-4       |
| <b>Oral Communication</b>                     |                                |       |  |           |
|   | COMM111                        | 3-4   | COMM111  | 3-4       |
| <b>Major Requirements</b>                     |                                |       |  |           |
| Computer Science                              | CS160, CS161, CS162, CS260     | 16    | CS160, CS161, CS162, CS260<br>CS205 <sup>2</sup>                       | 16<br>4-5 |
| Mathematics                                   | MTH251-252                     | 8     | MTH251-252   | 8         |
| Discrete Math                                 |                                |       | MTH231-232 OR CS 250-251   | 8         |
| Natural Sciences                              |                                |       | Complete sequence done under<br>CTM: Phys 213, Bio 213, or<br>Chem 223 | 4-5       |
| Additional MTM Courses Total                  |                                | 30-32 |  | 46-50     |
| <b>Electives</b>                              | Elective courses to 90 credits | 20-29 | Elective courses to 90 credits   | 2-13      |
|   | MTM TOTAL                      | 90    | MAJOR TRANSFER MAP<br>TOTAL  | 90        |

<sup>2</sup> new course that integrates CS271 and CS201 contents.

**Minimum letter grade and/or GPA requirements**

If the cell is blank, you must achieve a minimum letter grade of C- in that course.

Table 3

| Minimum Letter Grade and/or GPA requirements |                     |                     |     |     |                    |     |     |
|--|---------------------|---------------------|-----|-----|--------------------|-----|-----|
| Category                                     | Course              | EOU/SOU/WOU cluster |     |     | OSU/PSU/UO cluster |     |     |
|  |                     | EOU                 | SOU | WOU | OSU                | PSU | UO  |
| CTM  | WR 121              |                     |     |     | C                  |     |     |
| CTM  | A&L 1               |                     |     |     |                    |     |     |
| CTM  | A&L 2               |                     |     |     |                    |     |     |
| CTM  | SocSci 1            |                     |     |     |                    |     |     |
| CTM  | SocSci 2            |                     |     |     |                    |     |     |
| CTM  | NatSci 1            |                     |     |     | C                  |     |     |
| CTM  | NatSci 2            |                     |     |     | C                  |     |     |
| CTM  | MTH 111             |                     |     |     |                    |     |     |
| CTM  | MTH 112             |                     |     |     |                    |     |     |
| MTM  | WR 122              |                     |     |     |                    |     |     |
| MTM  | WR227               |                     |     |     | C                  |     |     |
| MTM  | COMM 111            |                     |     |     | C                  |     |     |
| MTM  | CS 160              |                     |     | C   | C                  |     |     |
| MTM  | CS 161              |                     | B   | C   | C                  |     | B-  |
| MTM  | CS 162              |                     | C   | C   | C                  | C   | B-  |
| MTM  | CS 260              |                     |     | C   | C                  | C   | B-  |
| MTM  | MTH 112             |                     |     |     |                    |     |     |
| MTM  | MTH 251             |                     |     | C   | C                  |     |     |
| MTM  | MTH 252             |                     |     | C   | C                  |     |     |
| MTM  | CS 205              |                     |     | C   | C                  | C   |     |
| MTM  | MTH 231 or<br>CS250 |                     |     | C   | C                  | C   | B-  |
| MTM  | MTH 232 or<br>CS251 |                     |     | C   | C                  | C   | B-  |
| MTM  | NatSci 3            |                     |     |     | C                  |     |     |
|  | GPA                 | 2.25                | 2.0 | 2.0 | 2.0                | 2.0 | 2.0 |

Year 1

| <b>Q1</b> |         | <b>Q2</b> |         | <b>Q3</b> |         |
|-----------|---------|-----------|---------|-----------|---------|
| Class     | Credits | Class     | Credits | Class     | Credits |
| CS 160    | 4       | CS 161    | 4       | CS 162    | 4       |
| MTH 111   | 4       | MTH 112   | 4       | MTH 251   | 4       |
| WR 121    | 3-4     | COM111    | 3-4     | A&L 2     | 3-4     |
| A&L 1     | 3-4     | SS 1      | 3-4     | SS 2      | 3-4     |
|           | 14-16   |           | 14-16   |           | 14-16   |

Year 2 - OSU/PSU/UO cluster

| <b>Q1</b> |         | <b>Q2</b>            |         | <b>Q3</b>            |         |
|-----------|---------|----------------------|---------|----------------------|---------|
| Class     | Credits | Class                | Credits | Class                | Credits |
| CS 260    | 4       | CS 205               | 4       | WR227                | 3-4     |
| MTH 252   | 4       | MTH 231 or<br>CS 250 | 4       | MTH 232 or<br>CS 251 | 4       |
| Science 1 | 4-5     | Science 2            | 4-5     | Science 3            | 4-5     |
| elective  | 3-4     | elective             | 3-4     | elective             | 3-4     |
|           | 15-17   |                      | 15-17   |                      | 14-17   |

Year 2 - EOU/SOU/WOU cluster

| <b>Q1</b> |         | <b>Q2</b> |         | <b>Q3</b> |         |
|-----------|---------|-----------|---------|-----------|---------|
| Class     | Credits | Class     | Credits | Class     | Credits |
| CS 260    | 4       | WR122     | 3-4     | elective  | 3-4     |
| MTH 252   | 4       | elective  | 3-4     | elective  | 3-4     |
| Science 1 | 4-5     | Science 2 | 4-5     | elective  | 3-4     |
| elective  | 3-4     | elective  | 3-4     | elective  | 3-4     |
|           | 15-17   |           | 13-17   |           | 12-16   |

**Appendix A. University-specific flexibility with respect to MTM required courses**

Some of the universities have flexibility in the courses listed in the CTM and the MTM for their cluster. That flexibility is documented in the following table. The way to use this table is as follows: if a student has decided to transfer to a particular university, the student may take advantage of the listed flexibility in the remaining courses in the MTM degree. Note that taking advantage of that flexibility is likely to cause a student's course of study to no longer qualify for junior standing at the other universities in that cluster.

Table A.1

| Course          | EOU          | SOU  | WOU                                      |
|-----------------|--------------|--|--|
| <b>WR 122</b>   |              | May substitute WR227                                 |  |
| <b>COMM 111</b> |              |  |  |
| <b>CS 160</b>   | Not required | Not required if prerequisite to CS 161 otherwise met |  |
| <b>CS 161</b>   |              |  |  |
| <b>CS 162</b>   |              |  |  |
| <b>CS 260</b>   |              | May substitute CS258 Fall term of Junior year        |  |
| <b>MTH 112</b>  |              |  | Not required if student does MTH 231-232 |
| <b>MTH 251</b>  |              |  | Accepts MTH 231                          |
| <b>MTH 252</b>  |              |  | Accepts MTH 232                          |
| <b>NatSci 1</b> |              |  |  |
| <b>NatSci 2</b> |              |  |  |

Table A.2

| Course                      | OSU | PSU          | UO   |
|-----------------------------|-----|--------------|--|
| <b>WR227</b>                |     |              |  |
| <b>COMM 111</b>             |     |              |  |
| <b>CS 160</b>               |     | Not required | VERY STRONGLY ENCOURAGED, but not required |
| <b>CS 161</b>               |     | Not required |  |
| <b>CS 162</b>               |     |              |  |
| <b>CS 260</b>               |     |              |  |
| <b>MTH 112</b>              |     |              |  |
| <b>MTH 251</b>              |     |              |  |
| <b>MTH 252</b>              |     |              |  |
| <b>CS 205</b>               |     |              | VERY STRONGLY ENCOURAGED, but not required |
| <b>MTH 231<br/>or CS250</b> |     |              |  |
| <b>MTH 232<br/>or CS251</b> |     |              |  |
| <b>NatSci 1</b>             |     |              | GEOL 201, 202, 203 are also accepted       |
| <b>NatSci 2</b>             |     |              |  |
| <b>NatSci 3</b>             |     |              |  |

**Appendix B. University-specific recommended elective courses**

Some of the universities have recommendations for elective courses that appear in the schedule for their cluster; following those recommendations will give the student more choice once they transfer. Those recommendations are documented in the following table. The way to use this table is as follows: if a student has decided to transfer to a particular university, the student should attempt to follow those recommendations for any remaining electives in their MTM-CS studies. Note that there is no guarantee that following the recommendations for one university in a cluster will also serve the same purpose in another university in that cluster.

Table B.1

| Elective       | EOU   | SOU  | WOU  |
|----------------|---|--|--|
| 7<br>Electives | <ul style="list-style-type: none"> <li>• C++ programming course</li> <li>• A&amp;L 3 in a 2<sup>nd</sup> or 3<sup>rd</sup> disc</li> <li>• SS 3 in a 2<sup>nd</sup> or 3<sup>rd</sup> disc</li> <li>• A general elective that fulfills “Difference, Power &amp; Discrimination” Baccalaureate Core requirement</li> </ul> | <ul style="list-style-type: none"> <li>• 200-level database</li> <li>• 200-level computer org/architecture</li> <li>• CS 250 OR MTH 231</li> <li>• 200-level web design</li> <li>• 200-level networking</li> <li>• 200-level OO programming course</li> <li>• 200-level C/C++ course if neither used in 161/162</li> </ul> | <ul style="list-style-type: none"> <li>• CS 205 (Comp Arch)</li> </ul> |

Table B.2

| Elective       | OSU  | PSU  | UO  |
|----------------|--|--|---|
| 3<br>electives | <ul style="list-style-type: none"> <li>• WR 122 (min grade C)</li> <li>• A general elective that fulfills “Difference, Power &amp; Discrimination” Baccalaureate Core requirement</li> <li>• a general elective that is equivalent to HHS 231, Physical Activity or PAC equivalent</li> <li>• CS 290 (if offered at your college)</li> </ul> | <ul style="list-style-type: none"> <li>• MTH 253</li> <li>• MTH 261 (linear alg)</li> <li>• Additional science elective (4 credits) from Bio, Chem, Phys, Geol, or Env Sci</li> <li>• Additional ASOT-approved A&amp;L or ASOT-approved SS elective</li> </ul> | <ul style="list-style-type: none"> <li>• At least 7 credits of ASOT-approved A&amp;L courses</li> <li>• At least 7 credits of ASOT-approved SS courses</li> </ul> |

Part 5: Signature of Participating Institutions

**Computer Science Major Transfer Map: Statewide Articulation  
Agreement Participants to the Agreement**

The Oregon Transfer and Articulation Committee (OTAC) reviewed this agreement on November 27, 2018 and forwarded it for approval by the chief academic officers of Oregon’s public universities offering a Bachelor of Science in Computer Science degree and the chief academic officer of Oregon’s community colleges (*Note: Signatures are on file at the Higher Education Coordinating Commission*)

Signatures on file:

|                                 |       |                                  |       |
|---------------------------------|-------|----------------------------------|-------|
| _____                           | _____ | _____                            | _____ |
| Eastern Oregon University       | Date  | Oregon State University          | Date  |
| _____                           | _____ | _____                            | _____ |
| Portland State University       | Date  | Southern Oregon University       | Date  |
| _____                           | _____ | _____                            | _____ |
| Western Oregon University       | Date  | University of Oregon             | Date  |
| _____                           | _____ | _____                            | _____ |
| Blue Mountain Community College | Date  | Central Oregon Community College | Date  |
| _____                           | _____ | _____                            | _____ |
| Chemeketa Community College     | Date  | Clackamas Community College      | Date  |
| _____                           | _____ | _____                            | _____ |
| Clatsop Community College       | Date  | Columbia Gorge Community College | Date  |
| _____                           | _____ | _____                            | _____ |
| Klamath Community College       | Date  | Lane Community College           | Date  |
| _____                           | _____ | _____                            | _____ |
| Linn-Benton Community College   | Date  | Mt. Hood Community College       | Date  |
| _____                           | _____ | _____                            | _____ |
| Oregon Coast Community College  | Date  | Portland Community College       | Date  |



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Rogue Community College                      Date

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Tillamook Bay Community College                      Date

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Umpqua Community College                      Date

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Southwestern Community College                      Date

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Treasure Valley Community College                      Date



Part 6: Computer Science Major Transfer Map Participants

Group Coordinators:

Joe Sventek                      University of Oregon

Public Universities:

Tim Harrison                      Eastern Oregon University  
 Phil Howard                      Oregon Institute of Technology  
 Calvin Hughes                    Oregon State University  
 Mark Jones                        Portland State University  
 Barbara Sabbath                Portland State University  
 Fabrizzio Alphonsus Alves de Melo Nunes Soares      Southern Oregon University  
 Kathleen Freeman                University of Oregon  
 Becka Morgan                      Western Oregon University

Community Colleges:

Peter Hernberg                    Blue Mountain Community College  
 Ken Swartwout                    Central Oregon Community College  
 Andrew Scholer                   Chemeketa Community College  
 Jen Miller                         Clackamas Community College  
 Paul Wilkins                       Lane Community College  
 Joseph Jess                        Linn-Benton Community College  
 Pamela Wiese                      Mt. Hood Community College  
 Doug Jones                        Portland Community College  
 Jeremy Taylor                      Rogue Community College

Higher Education Coordinating Commission Staff:

Kia Sorensen                      Office of Academic Policy & Authorization  
 Brittany Miles                      Office of Community Colleges & Workforce Development

Part 7: Oregon Transfer Advisory Committee Members 2020-21

Chair: Edward Feser, Provost and Executive Vice President, Oregon State University

Incoming Chair: David Plotkin, Vice President of Instruction and Student Services, Clackamas Community College

Elizabeth Brand Cox, Executive Director, Student Success Center, Oregon Community College  
Association

Dana Richardson, Executive Director for the Council of Presidents, Oregon Public Universities Council  
of Presidents

Teresa Rivenes, Vice President of Instruction, Tillamook Bay Community College

Sal Castillo, Director-Institutional Research, Oregon State University

Erin Bird, Transfer Transitions Coordinator, Oregon State University

Frances White, Professor and Department Head, Anthropology, University of Oregon

Kevin Walker, Professor, College of Business, Eastern Oregon University

Seth Anthony, Associate Professor, Oregon Institution of Technology

Ann Cary, Interim Dean of Academic Affairs, Portland Community College

Blake Hausman, Instructor DE Reading, Writing & English, Portland Community College

John Copp, History, Political Science Instructor, Department Chair, Columbia Gorge Community College

Laurette Scott, Education Faculty, Department Chair, Clackamas Community College

Erin Baumgartner, Director of General Education; Interim Associate Provost for Academic Programs and Effectiveness,  
Western Oregon University

Thaddeus Shannon, Associate Professor, Computer Science, Western Oregon University

Kathy Smith, Associate Professor of Math, Central Oregon Community College

Rick DeBellis, Associate Director for Enrollment Management, Degree Partnership Programs and Transfer Student  
Services, Oregon State University

Melissa Frey, Dean & Registrar, Student Recruitment, Enrollment and Graduation Services Director, Chemeketa  
Community College

Mindy Williams, Oregon Writing English Advisory Committee Chair, Central Oregon Community College

Cindy Baccar, Associate Vice Provost & University Registrar, Academic Affairs, Portland State University

Linda Samek, Professor of Education in Residence, George Fox University

Patrick Crane, Director, Community Colleges and Workforce Development

Veronica Dujon, Director, Academic Policy and Authorization



**Office of the Vice Provost for Undergraduate Education**

Oregon State University, 500 Kerr Administration Building, Corvallis, Oregon 97331-0759

T 541-737-5105 | F 541-737-8082

February 9<sup>th</sup>, 2021

Higher Education Coordinating Commission

3225 25<sup>th</sup> St. SE

Salem, OR. 97302

Info.HECC@state.or.us

To whom it may concern,

In order to support the creation of the MTM degree in Computer Science, Oregon State University – Corvallis campus, in partnership with the School of Electrical Engineering and Computer Science, agrees to make the following exceptions to degree requirements for students entering the Computer Science – Applied Option, B.S. degree at the Corvallis campus after successful completion of the MTM:

1. To apply WR 122 from PCC to fulfill the WR 214/222 major requirement in the degree (department level)
2. To apply MTH 232 or CS 251 & all-Natural Science courses (from the list of approved options) in sequence towards the Applied Option 32-credit block (4 courses in total). (department level)
3. To accept the new creation of CS 205 to articulate for CS 271 in the major. (department and Registrar's level)
4. To accept the selected Natural Science sequence (from the list of approved options) to fulfill the three Biological and Physical Baccalaureate Core science requirements. (Registrar's level)

Sincerely,

DocuSigned by:

*Alix Gitelman*

2F8A8604D9584AA...

**Alix I Gitelman** | *she/her/hers* | **Vice Provost**

Office of Undergraduate Education

Professor of Statistics | College of Science

**Oregon State University**

541-760-3418 (cell)

**Office of Academic Affairs**

Post Office Box 751                      503-725-3422 tel  
Portland, Oregon 97207-0751        503-725-5262 fax



February 11, 2021

Re: Major Transfer Map in Computer Science

Dear HECC,

Portland State University commits to making the following changes in support of the proposed Major Transfer Map in Computer Science:

- Adjustments to procedures for admission to the PSU Major in Computer Science sufficient to ensure that any student who transfers to PSU at the start of the academic year after completion of the MTM in CS will have a path to completing the Bachelor's degree within two years.
- Adjustments to articulation agreements to ensure that PSU will accept CS 205, from any student who completes the MTM in CS, as meeting our major requirement for CS 201.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Jeffords".

Susan Jeffords, PhD  
Provost & Vice President for Academic Affairs



# Oregon Transfer Compass Computer Science Major Transfer Map Crosswalk

| Core Transfer Map   | CC Credits | EOU  | OSU  | PSU  | SOU  | UO  | WOU  |
|---|------------|--|--|--|--|---|--|
| Writing:<br>WR 121  | 3-4        | Transfers as WR 121 in Gateway group.  | 1 of 1 Writing I course  | Meets general education requirement for WR 121   | USEM 101 (Strand ABC writing course)   | 1 of 2 required Writing courses   | 1 of 2 Foundations: Writing courses  |
| Arts & Letters:<br>2 Courses  | 6-8        | Transfers as 6-8 credits in Aesthetics and Humanities group or Artistic Process and Creation group | 1 of 1 Literature/Arts course<br>1 of 1 Western Culture course   | 6-8 Credits of Arts & Letters or Social Science courses  | 2 courses toward strand E: Humanities  | 6-8 of 15 credits of Core Education Arts & Letters group  | 2 of 2 Exploring Knowledge: Literary and Aesthetic Perspectives courses  |
| Social Science:<br>2 Courses  | 6-8        | Transfers as 6-8 credits in Social Sciences group  | 1 of 1 Social Processes & Institutions course<br>1 of 1 Cultural Diversity course  | 6-8 Credits of Arts & Letters or Social Science courses  | 2 courses toward Strand F: Social Science  | 6-8 of 15 credits of Core Education Social Science group  | 2 of 2 Exploring Knowledge: Social, Historic, and Civic Perspectives courses                                     |
| Natural Sciences:<br>2 Courses  | 8-10       | Transfers as 8-10 credits in Natural, Mathematical & Informational Sciences group                  | 2 of 3 Science courses   | 8-10 credits of 15 credit Lab Science requirement  | 2 courses w/ lab toward Strand G: Science  | 8-10 of 15 credits of Core Education Science group & 2 of 3 courses required by major additional science sequence                           | 2 of 2 Exploring Knowledge: Scientific Perspectives courses & 2 of 3 required by major in BI 211-213 sequence    |
| Math:<br>2 Courses (MTH 111 and MTH 112)  | 8          | Transfers as MATH 111 and MATH 112   | Transfers as MTH 111 and MTH 112.<br>One course satisfies Math requirements for Baccalaureate Core; the other as a general elective. | Elective credits   | Strand D: Quantitative Reasoning & Prerequisites for MTH 251/252 requirement                 | Transfer as MTH 111 and MTH 112: 2 of 3 BS Math/Computing classes<br>Can also use MTH 231 or MTH 251 or CIS 161 to satisfy this requirement | 1 of 1 Foundations: Math course - Can also use MTH 231 or 251 to satisfy this reqt; MTH 112 transfers as MTH 112 |
| 1 course must also satisfy AAOT Cultural Literacy Requirement                           |            | Transfers as Difference, Power and Discrimination group course.                                    |  |  |  | 1 of 2 Core Education Cultural Literacy courses   |  |
| Courses must total minimum of 30 credits, can be filled by an elective credit if needed |            | Additional credits taken to reach 30 will be applied to the appropriate Gen Ed requirements.       | Additional credits taken to reach 30 will be applied to the appropriate Gen Ed requirements.   | Include additional Arts & Letters or Social Science Electives as necessary to ensure (at least) 24 credits of general education (including | Additional credits taken to reach 30 will be applied to the appropriate Gen Ed requirements. | Additional credits taken to reach 30 will be applied to the appropriate Core Ed requirements.   | Additional credits taken to reach 30 will be applied to the appropriate Gen Ed requirements.                     |



# Oregon Transfer Compass Computer Science Major Transfer Map Crosswalk

| Major and Elective Courses               | CC Credits | EOU                                      | OSU  | PSU  | SOU  | UO   | WOU  |
|--|------------|--|--|--|--|--|--|
|  |            |  |  | WR 121 and COMM 111)                             |  |  |  |
| COMM 111                                 | 3-4        | Transfers as COM 111 in Gateway group.   | Transfers as COMM 111  | Meets general education requirement for COMM 220 | USEM 103   | Transfers as Core Education Arts & Letters group   | 3-4 credits of Foundations: Communication and Language |
| CS 160                                   | 4          | Transfers as CS Lower Division Elective. | Transfers as CS 160  | Elective credits (transfers as CS LD)            | Transfers as CS200   | Transfers as CIS 1xxT  | Transfers as CS 160                                    |
| CS 161                                   | 4          | Transfers as CS 161                      | Transfers as CS 161  | Elective credits (transfers as CS 161)           | Transfers as CS 256  | Transfers as CIS 210   | Transfers as CS 161                                    |
| CS 162                                   | 4          | Transfers as CS 162                      | Transfers as CS 162  | Transfers as CS 162                              | Transfers as CS 257  | Transfers as CIS 211   | Transfers as CS 162                                    |
| CS 260                                   | 4          | Transfers as CS 260                      | Transfers as CS 261  | Transfers as CS 163                              | Transfers as CS 258  | Transfers as CIS 212   | Transfers as CS 260                                    |
| MTH 251                                  | 4          | Transfers as Math 251                    | Transfers as MTH 251   | Transfers as MTH 251                             | Transfers as MTH 251   | Transfers as MATH 251  | Transfers as MTH 251                                   |
| MTH 252                                  | 4          | Transfers as Math 252                    | Transfers as MTH 252   | Transfers as MTH 252                             | Transfers as MTH 252   | Transfers as MATH 252  | Transfers as MTH 252                                   |
| EOU/SOU/WOU only                         | CC Credits | EOU                                      | OSU  | PSU  | SOU  | UO   | WOU  |
| Writing - WR 122                         | 3-4        | Transfers as WR 122 in Gateway GenEd.    |  |  | USEM 102 (Strand ABC writing course)                                   |  | Transfers as WR 122                                    |
| OSU/PSU/UO only                          | CC Credits | EOU                                      | OSU  | PSU  | SOU  | UO   | WOU  |
| Writing - WR 227                         | 3-4        |  | Transfers as WR 327. Satisfies both major requirements and Writing requirements for Baccalaureate Core | Meets major requirement for WR 227               | May substitute for WR 122 to meet USEM 102 (Strand ABC writing course) | 2 of 2 required Writing courses AND substitutes for WR 320 major requirement   | Transfers as elective WR 300                           |
| CS 205                                   | 4          |  | Transfers as CS 271  | Meets major requirement for CS 201               | Transfers as CS 314  | Transfers as CIS 2xxT  | Transfers as CS 271                                    |
| Discrete Math: MTH 231-232 or CS 250-251 | 8          |  | Transfers as MTH 231, 232  | Meets major requirement for CS 250 and CS 251    | CS 250 transfers as CS 250   | Transfers as MATH 231-232; B.S. or Core Education Science group; CS 250-251 transfers as CIS 2xxT and substitutes for MATH 231-232 for major | Transfers as MTH 231-232 or satisfied by MTH 251-252   |
| Natural Science:                         | 4-5        |  | Transfers as PH 213,   | Completes 15 credit                              |  | Complete science   |  |



# Oregon Transfer Compass Computer Science Major Transfer Map Crosswalk

| Complete sequence started under CTM |            |  | CH 223 or BIO 213   | Lab Science requirement for major   |  | sequence started under CTM PHYS 213, BIO 213, or CHEM 223<br>12-15 of 15 credits of Core Education Science group & 3 of 3 courses required by major additional science sequence |  |
|-------------------------------------|------------|--|---|---|--|---|--|
| Major and Elective Courses          | CC Credits | EOU  | OSU   | PSU   | SOU  | UO  | WOU  |
| Electives                           |            | Additional elective courses to 90 credits. | <p>Elective Courses to get to 90 credits<br/>Will apply to gen ed, or major requirements, or as electives.</p> <p>Recommended:</p> <ul style="list-style-type: none"> <li>WR 122 – transfers as WR 222. (CS dept. will accept WR 122 at PCC which transfers as WR LDT)</li> <li>A general elective that fulfills “Difference, Power &amp; Discrimination” Baccalaureate Core requirement</li> <li>a general elective that is equivalent to HHS 231, Physical Activity or PAC equivalent</li> <li>CS 290 (if offered at your college)</li> </ul> | <p>Additional elective courses to 90 credits.</p> <p>Recommended: additional Arts &amp; Letters or Social Science Electives as necessary to ensure (at least) 24 credits of general education (including WR 121 and COMM 111)</p> | Additional elective courses to 90 credits. | Additional elective courses to 90 credits.  | Additional elective courses to 90 credits. |
| Major Transfer Map credit total     | 90         | 90   | 90  | 90  | 90   | 90  | 90   |

| Remaining | EOU | OSU | PSU | SOU | UO | WOU |
|-----------|-----|-----|-----|-----|----|-----|
|-----------|-----|-----|-----|-----|----|-----|



# Oregon Transfer Compass Computer Science Major Transfer Map Crosswalk

| Degree Reqs                      |  |   |  |  |   |   |
|----------------------------------|--|---|--|--|---|---|
| <b>General Education</b>         | 0-14 credits in Aesthetics and Humanities (AEH) in two different disciplines   | Difference, Power & Discrimination (3-4)  | Junior Cluster (Univ. Studies) (12 credits)  | 1 course in Strand E: Humanities (for a total of 3 courses or at least 9 credits)  | 3-6 credits of Core Ed A&L courses, possibly including one multicultural course   | 3-4 credits of Foundations: Critical Thinking   |
|                                  | 0-14 credits in Artistic Process and Creation (APC) in two different disciplines   | Fitness (3)   | Additional Arts & Letters or Social Science Elective (3 credits)   | 1 course in Strand F: Social Sciences (for a total of 3 courses or at least 9 credits)   | 7-9 credits of Core Ed Social Science courses, possibly including one multicultural course  | 4 credits of Foundations: Health Promotion  |
|                                  | 0-14 credits in Social Sciences (SSC) in two different disciplines   | Contemporary Global Issues (3-4)  |  | 1 course in Strand G: Sciences (for a total of 3 courses or at least 11 credits; one course may be a non-lab science)  |   | 3-4 credits of Integrating Knowledge: Science, Technology, Society (upper-division)   |
|                                  | 0-14 credits in Natural, Mathematical & Informational Sciences (SMI) in two different disciplines, including at least one physical/biological science.                       |   |  | Upper-division course in Strand I: Science, Technology & Society (3-4 credits)   |   | 3-4 credits of Integrating Knowledge: Science, Technology, Society (upper-division)   |
|                                  | 0-14 credits in Natural, Mathematical & Informational Sciences (SMI) in two different disciplines, including at least one physical/biological science.                       |   |  | Upper-division course in Strand H: Citizenship and Social Responsibility (3-4 credits)   |   | *** First Year seminars requirements waived   |
|                                  |  |   |  | Upper-division course in Strand J: Diversity, Equity, and Inclusion (3-4 credits)  |   |   |
| <b>General Education Credits</b> | <b>30</b>  | <b>9-11</b>   | <b>15</b>  | <b>18-24</b>   | <b>10-15</b>  | <b>13-16</b>  |
| <b>Major Requirements</b>        | CS 221 (4 credits)<br>CS 311 (3 credits)<br>CS 318 (4 credits)<br>CS 330 (4 credits)<br>CS 331 (3 credits)<br>CS 360 (4 credits)<br>CS 361 (4 credits)<br>CS 362 (3 credits) | CS 361 (4 credits)<br>CS 290 (4 credits)<br>CS 362 (4 credits)<br>CS 325 (4 credits)<br>CS 372(4 credits)<br>CS 344 (4 credits)<br>CS 444 (4 credits)<br>CS 381 (4 credits) | CS 202 (4 credits)<br>CS 300 (4 credits)<br>CS 305 (2 credits)<br>CS 320 (4 credits)<br>CS 333 (4 credits)<br>CS 350 (4 credits)<br>CS 469 (3 credits)<br>CS 470 (3 credits) | CS 314 (4 credits)<br>CS 336 (4 credits)<br>CS 360 (4 credits)<br>CS 357 (4 credits)<br>CS 411 (4 credits)<br>CS 418 (4 credits)<br>CS 452 (4 credits)<br>CS 459 (4 credits) | CIS 313 (4 credits)<br>CIS 314 (4 credits)<br>CIS 315 (4 credits)<br>CIS 330 (4 credits)<br>CIS 415 (4 credits)<br>CIS 422 (4 credits)<br>CIS 425 (4 credits)<br>MATH choice group (8 | IS 278 (4 credits)<br>CS 360 (4 credits)<br>CS 361 (4 credits)<br>CS 363 (4 credits)<br>CS 364 (4 credits)<br>CS 366(4 credits)<br>CS 367 (4 credits)<br>CS 460 (4 credits) |





# Oregon Transfer Compass Computer Science Major Transfer Map Crosswalk

|  |  |  |   |   |   |   |
|--|--|--|---|---|---|---|
|  | CS 401 (1-6 credits)<br>CS 407 (2 credits)<br>MATH 231 (4 credits)<br>MATH 341 (4 credits) | CS 340 (4 credits)<br>CS 461 (3 credits)<br>CS 462 (3 credits)<br>CS 463 (2 credits)<br>CS 352 (4 credits)<br>"CS 391 (3 credits) –<br>Also<br>fulfills Synthesis Bacca<br>laureate Requirement<br>"<br>ST 314 (3 credits)<br>WR 214/222 (3 credits) | CS 486 (4 credits)<br>ECE 341 (4 credits)   | CS 469 (4 credits)<br>CS 470 (8 credits)  | credits)  | CS461 (4 credits)<br>CS 462 (4 credits)<br>CS 365 (4 credits) |
| <b>Major Requirements Credits</b>            | <b>40-45</b>   | <b>57</b>  | <b>35</b>   | <b>44</b>   | <b>36</b>   | <b>40</b>   |
| <b>Major Electives</b>                       | COM 252 and CS Upper Division electives (16)   | 2 courses of CS Restricted Electives (6-8)<br><br>Approved Applied Plan Electives – approved by CS Head Advisor (16)   | Approved CS Upper Division Electives, including at least one "Programming Intensive" course: (6 courses/24 credits) | Complete 20 credits of computer science electives chosen from upper-division computer science courses, not including CS 310, CS 346, CS 401, CS 405, and CS 407. A maximum of 4 credits of CS 409 - Practicum may be counted toward upper-division CS elective credits. | CIS upper-division electives (20 credits)                               | (2) 400 level electives (8 credits)                           |
| <b>Major Electives Credits</b>               | <b>16</b>  | <b>22-24</b>   | <b>24</b>   | <b>20</b>   | <b>20</b>   | <b>8</b>  |
| <b>Additional Electives</b>                  |  |  | Additional Math Elective: MTH 253 or MTH 261 (4 credits)  |   | MATH upper division elective (4 credits)                                | 18 additional elective credits                                |
|  |  |  | Approved Science Elective (4 credits)   |   | up to 10 credits, including upper-division credits to at least 62 total |   |
|  |  |  | Approved Math Electives (7 credits)   |   |   |   |
| <b>Additional Electives Credits</b>          | <b>0</b>   | <b>0</b>   | <b>15</b>   | <b>2-8</b>  | <b>14</b>   | <b>18</b>   |
| <b>Remaining Degree Requirements Credits</b> | <b>90</b>  | <b>88-92</b>   | <b>90</b>   | <b>90</b>   | <b>90</b>   | <b>90</b>   |

The logo features a stylized graduation cap in dark blue with a red and yellow arrow pointing upwards from the center of the cap's base.

**Oregon  
Transfer Compass**  
STATEWIDE ARTICULATION  
AGREEMENT: MAJOR  
TRANSFER MAP IN  
BUSINESS

A statewide transfer agreement that identifies the community college courses needed to transfer to any Oregon public university as a junior seeking a Bachelor of Science in business disciplines.



Statewide Transfer Articulation Agreement:

Major Transfer Map in Business

90-100 Credits or Optimal Transfer Point

From: All Oregon Community Colleges

To: All Oregon Public Universities

Introduction: Major Transfer Maps (MTMs) represent a streamlined path for students transferring from an Oregon community college to an Oregon university who know which major/bachelor's degree program they want to pursue. In contrast to other statewide transfer tools that prioritize university general education requirements (i.e. AAOT and ASOT), MTMs specify clear course-taking paths necessary for on-track progress towards a specific major/bachelor's degree, with a guarantee of transfer from any Oregon community college to any Oregon public university. MTMs build on the 30-credit general education foundation defined by the generic Core Transfer Map (CTM), although MTMs may specify particular relevant/required General Education courses as part of the 30-credit CTM component of the MTM.

The statewide Major Transfer Map (MTMs) in Business will use the format of an Associate of Science Transfer degree in Business (AST-Business).

The MTMs identify the optimal and specific set of community college courses students need to take to transfer efficiently into the major at the university. The successful completion of the MTM allows students to receive status at the public university, based on the number of academic credits referenced in the transfer agreement, including at least 30 credits of general education satisfied, that is comparable to the status of students with the same number of academic credits in the major course of study who began their postsecondary studies at the public university. The students will not be required to retake a course, as long as the minimum required grades have been earned.

Students must have earned a cumulative grade point average of 2.0 and meet the residency requirements at the community college awarding the MTM.

When students complete an MTM, the general education courses in the "Core Transfer Map" portion of the MTM, for which minimum required grades have been earned, are guaranteed to transfer into general education, degree, or major requirements for a bachelor's degree at any Oregon public university (ORS 350.404). However, while CTM-related courses are guaranteed to transfer into general education, degree, or major requirements, students completing an MTM will not be awarded a CTM also.

Students who want to transfer prior to completing the MTM should talk with their community college advisor and an advisor at their target university prior to transfer about how their courses will count towards general education requirements and degree/major requirements. If the MTM is not awarded advisors can guide students to determine if they are eligible for a CTM.

Students are responsible for informing the admissions counselor or intake advisor at their receiving four-year institution that they are completing an MTM. It is important for students to understand that completing the MTM in two years and the bachelor's degree in four years requires them to complete a minimum average of 15 credits per quarter (or 45 credits per year).

The guarantees and limitations below describe the minimum requirements to which all participating institutions have agreed. If an institution is not meeting the guarantees described below a complaint can be filed with the Oregon Transfer Advisory Committee (OTAC).<sup>1</sup>

### Part 1: Guarantees

Students who complete all the requirements of an MTM (i.e. an MTM associate's degrees or an MTM non-degree package when optimal transfer requires fewer than 90 credits) as defined in the specific MTM agreement, who have earned the minimum required grades and a cumulative 2.0 GPA or higher, meet residency requirements, and who are admitted to the receiving institution's corresponding major/degree program are guaranteed the following:

1. Status within the major at the public university that is comparable to the status of students with the same number of academic credits in the major course of study who began at the public university (when the MTM is equal to at least 90 credits this would equate to receiving "junior status in the major course of study at the public university").
2. Eligibility to graduate following the degree/major requirements in effect at the university during the academic year the student first enrolled in the community college that awarded the MTM. If the student does not complete the degree within 7 years of the first enrollment at the community college awarding the MTM, they should meet with an advisor to determine which catalog to use.
3. All courses in the MTM will transfer individually. If a student transfers before completing the MTM, all courses will still transfer but may not apply in the same way as they would if the MTM was completed. If the CTM has been awarded, the guarantees inherent in the CTM apply.
4. The ability to file a complaint with the Oregon Transfer and Articulation Committee (OTAC) if the guarantees of the MTM are not being met. OTAC will review complaints submitted to the Higher Education Coordinating Commission (HECC) or to OTAC regarding Oregon's statewide transfer tools and degrees and recommend next steps that support dispute resolution. Note:
  - ✓ Students should first follow their home institution's internal complaint process (e.g. talk to their academic advisor, academic unit, Registrar, or Provost)
  - ✓ The HECC has authority to handle student complaints but only if they are related to discrimination or retaliation

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<sup>1</sup> Sections of this contract are modified versions of contracts from Colorado and Washington.

- ✓ While OTAC does not have legal authority over transfer complaints, as the only statewide transfer advisory body, OTAC can make recommendations and assist institutions and students in resolving compliance issues.

5. Students who successfully complete the MTM at a community college will have the MTM notated on their transcript. If the MTM takes the form of an associate's degree, it will be reflected in the standard degree posting format used by the community college. If the MTM is not an associate's degree, but rather an optimal transfer point with fewer than 90 credits, it will be posted as a notation on the community college transcript.

### Part 2: Limitations

1. Completion of the prescribed curriculum in the statewide transfer articulation agreement does not guarantee admission to a participating receiving institution. Students must meet all admission and application requirements at the receiving institution in place at the time of admission, including the submission of all required documentation by stated deadlines.
2. Minimum grades required for general transfer and for application to major requirements and pre-requisites may vary by each Oregon public university and by each degree/major. Each MTM agreement will specifically list the minimum grade requirements that will guarantee transfer including minimum required grades for major courses and Pass/No Pass limitations. All schools accept a grade of a "C -" or better in all general education courses. Students should contact the admissions counselor or intake advisor at the university they intend to transfer to for more information.
3. Completion of an MTM and admission to a receiving institution does not guarantee enrollment in a specific degree program. Some programs at receiving institutions have controlled and/or competitive entry due either to space limitations or academic requirements.
4. The credit and course transfer guarantees described in the specific MTM agreements apply only to the specific degree programs covered by the agreement. Therefore, if a student changes to a new major some courses may not apply the same way towards the new major as they would for the original major. When students change majors the old MTM major guarantees may no longer apply and receiving institutions will evaluate applicability of transfer on a course-by- course basis.
5. AP (Advanced Placement) and IB (International Baccalaureate) credit:
  - ✓ General Education Courses in the MTM:  
AP and IB articulated credits used to meet the general education components of the Major Transfer Map will transfer, and are guaranteed to fulfill general education requirements at the receiving institution, as long as the articulated credits are listed on the Advanced Placement and International Baccalaureate Statewide *Course Credit Policy* found on the HECC website.
  - ✓ AP (Advanced Placement) and IB (International Baccalaureate) in the MTM:  
Using the current *AP and IB Statewide Course Credit Policy* as a reference, the Major Transfer Map workgroup will assess how AP/IB exam scores apply to the MTM (range of credits and course articulations). In particular, the MTM workgroup will identify whether the credit range and course articulation of AP/IB exam scores differ among the 17

community colleges and 7 public universities in ways that create transfer misalignment for students earning the MTM.

The workgroup will refer all areas of misalignment to the AP/IB Statewide Policy Group, which will work with the higher education institutions' appropriate representatives (including faculty and academic leadership) to resolve the areas of misalignment by establishing common range of credits and defined articulations across the 17/7 so that AP/IB exam credit awarded at any community college will transfer to all public universities and apply as intended in the MTM.

If 17/7 alignment in range of credits and course articulation for AP/IB exam scores is not possible, the MTM workgroup will determine whether the differences constitute acceptable and warranted variance within the MTM. If so, the workgroup will recommend the variance to OTAC when it submits the MTM to OTAC for the approval process. If the MTM workgroup determines that uniformity is necessary, and a particular institution elects not to conform, that school is choosing not to be a participant in that particular MTM.

6. Please note that each Oregon public university has differing policies on institutionally administered exams (sometimes called Challenge Exams) and students should contact the admissions counselor or intake advisor at the university students intend to transfer to for more information.

7. Students should consult with advisors at their community college and receiving university if they have additional questions.

### Part 3: Institutional Obligations

1. Oregon public universities and community colleges, under advisement from OTAC and HECC, will build an alert mechanism into their curriculum review process for changes related to courses, programs, or admission that may impact the MTM.

- ✓ The institution proposing a change in required or pre-requisite courses, with potential to impact lower-division course taking will alert their Registrar and Major Transfer Map group to review the change.
- ✓ If the proposed change creates a need to modify lower-division course taking as defined in the existing MTM, the OTAC representative from the particular MTM group will bring the issue to OTAC for review to determine if updates need to be made to the agreement.
- ✓ All public higher education institutions who are signatories of the agreement are expected to stay in alignment with the approved MTM. Changes to courses included in the MTM that will affect their transferability must be approved by the MTM group and OTAC before taking effect.
- ✓ MTM groups are expected to meet annually or as needed to ensure continued alignment and the effective dates will be reflected in each MTM. Catalog rights follow the MTM.
- ✓ If valid reasons exist that prevent sufficient alignment, a given institution may have to exit the agreement. In such cases, the Provost of the university must notify OTAC and work out an effective timeline for leaving the agreement such that the university honors the catalog

year guarantees and provides a workable teach-out plan so students in the pipeline are held harmless.

2. Oregon public higher education institutions agree that where university-specific curricular variance exists within the MTM, it is identified and justified. Acceptable justifications should be related to student benefit, necessity for academic success in meeting future requirements at the junior/senior/graduate school/employment level, and immovable external requirements such as accreditation requirement differences.
3. Participating institutions agree to continue to work toward maximizing course alignment as much as possible with the goal of awarding direct equivalency for all MTM courses, even when a transferring student has not completed the entire MTM.



## Part 4: Prescribed Curriculum

This guide outlines the course requirements for the Business Major Transfer Map (MTM) for students at any Oregon community college who plan to transfer to a four-year public university in Oregon and earn a Bachelor of Science in business disciplines. This map is beneficial for students who know they want to transfer in business, but who may be unsure of their intended transfer destination. There are two possible transfer paths in this MTM. Students should work with their advisor to choose the best path for their goals, and to ensure they fulfill the requirements of this major transfer map.

Students who are certain of both their major and their intended transfer destination should consult an advisor for information on an existing specific articulation agreement or degree map that will prescribe their course requirements.

The Business Major Transfer Map (Business MTM) is a streamlined pathway created for a student who knows they want to earn a Bachelor of Science in business disciplines. While the Business MTM may not meet all the lower division general education requirements at a student's chosen school, students who successfully complete the courses and program GPA requirements, will transfer in with junior standing in the major. They will have the ability to work with an advisor to take smart credits: credits that are required at each public university that will count toward their Business major, a minor or general education.

There may be a minimum required GPA for the university and/or College of Business of your choice. Refer to the grid below for more information on the GPA/grading guidelines for each 4-year institution.

Students are strongly encouraged to: 1) seek advising before their first term of college; 2) seek advising after they have completed the 30-35 credits of the Core Transfer Map (CTM); and 3) seek advising and meet with a transfer coordinator before registration opens at the beginning of their second year in college. Students should also be aware that if they want to complete this Major Transfer Map in two years, they should take an average of 45 credits per year, or approximately 15 credits per quarter. Finally, to earn an AST-Business degree, students will need to successfully complete at least 90 credits.

All seven public universities in Oregon offer a Bachelor of Science in business disciplines:

Eastern Oregon University: <https://www.eou.edu/college-of-business/>

Oregon Institute of Technology: <https://www.oit.edu/academics/degrees/business> Oregon State University: <http://business.oregonstate.edu/>

Portland State University: <https://www.pdx.edu/business/>

Southern Oregon University: <https://sou.edu/academics/business/programs/business-administration-ba-bs/> University of Oregon: <https://business.uoregon.edu/>

Western Oregon: <https://wou.edu/academics/business/>

| Core Transfer Requirements   |  | Credits        |
|--|--|----------------|
| <i>Writing</i>   |  |                |
| 1 Course   | WR 121   | 3-4            |
| <i>Arts &amp; Letters</i>  |  |                |
| 1 <sup>st</sup> Course   | Choose from AAOT course list   | 3-4            |
| 2 <sup>nd</sup> Course   | Choose from AAOT course list   | 3-4            |
| <i>Social Sciences</i>   |  |                |
| 1 <sup>st</sup> Course   | Econ 201   | 3-4            |
| 2 <sup>nd</sup> Course   | Econ 202   | 3-4            |
| <i>Natural Sciences</i>  |  |                |
| 1 <sup>st</sup> Course   | Lab Science from AAOT course list  | 4-5            |
| 2 <sup>nd</sup> Course   | Lab Science from AAOT course list  | 4-5            |
| <i>Mathematics</i>   |  |                |
| 2 Pathways, see<br>Pathway A & Pathway<br>B  | Pathway A: Statistics (EOU, PSU, SOU, OIT)<br>Pathway B: Calculus (OSU, WOU, UO) | 4-5            |
| <b>Core Transfer Requirements Total</b>  |  | <b>30-35**</b> |
| *At least 1 Core Transfer course must also satisfy Cultural Literacy outcomes for AAOT   |  |                |
| ** Additional credits taken to reach 30 in the Core Transfer requirements will be applied to the general education category associated with them |  |                |
| Major Transfer Map Courses   |  | Credits        |
| <i>Writing</i>   | WR 227   | 3-4            |
| <i>Communications</i>  | COMM 111   | 3-4            |
| <i>Excel Skills class</i>  | *see Appendix A for more detail  | 3-4            |
| <i>Introduction to Business</i>  | BA 101   | 3-6            |
| <i>Financial and Managerial Accounting</i>   | BA 211 & 213   | 8              |
| <i>Business Law</i>  | BA 226 or 230  | 4              |
| <i>Total</i>   |  | 24-30          |

|                                      | Pathway A: Statistics<br>(EOU, PSU, SOU, OIT)  |                                   | Pathway B: Calculus<br>(OSU, WOU, UO)   |                                  |
|--------------------------------------|--|-----------------------------------|---|----------------------------------|
| Courses                              | Courses  | Credits                           | Courses   | Credits                          |
| <i>Mathematics</i>                   | MTH 111<br>(4-5 cr.)<br>*OIT only, this is not<br>required at EOU,<br>PSU, or<br>SOU)                          | 4-5                               | MTH 111<br>(4-5 cr.)  | 0<br>(incl. in<br>CTM total)     |
|                                      | --   | 0                                 | Math 241 or<br>equivalent* If a<br>student takes 251,<br>(112 is a required<br>pre-req)                                       | 4-5                              |
| <i>Statistics</i>                    | 243<br>(4-5 cr.)   | 0<br>(incl. in CTM<br>total)      | 243*<br>*Students<br>transferring to OSU<br>can take BA275<br>instead of<br>MTH243/MTH244                                     | 4-5                              |
|                                      | 244*<br>*This is not required<br>course at EOU &<br>PSU)   | 4-5                               | 244*<br>*WOU Students do<br>not need 244<br>*Students<br>transferring to OSU<br>can take BA275<br>instead of<br>MTH243/MTH244 | 4-5                              |
| <i>Total</i>                         |  | 0-10                              |   | 8-15                             |
|                                      | Additional General Education<br>(EOU, PSU, SOU)  |                                   | Additional General Education<br>(OSU, WOU, UO, OIT)   |                                  |
| <i>Natural Sciences</i>              | Lab Sciences from<br>AAOT Course List*<br>*This can be non-lab<br>at<br>SOU, this is not<br>required at<br>OIT | 4-5                               | (see recommended<br>additional courses<br>to reach 90 credits)  | --                               |
| <i>Total</i>                         |  | 4-5                               |   | 0                                |
| <i>Section Total (Math + Gen Ed)</i> |  | 4-15                              |   | 8-15                             |
| <b>Grand Total (CTM +MTM)</b>        |  | <b>Pathway A<br/>Total: 58-80</b> |   | <b>Pathway B<br/>Total:62-80</b> |

Additional courses to reach 90 credits: See the table below. **Please understand that lower division courses taken at the community college level do not necessarily transfer to any Oregon university you choose.** Again, this is why it's vital to speak to an advisor knowledgeable about transferring to the Oregon university of your choice.

| <b>ADDITIONAL COURSES TO REACH 90 CREDITS</b>   |  |  |  |
|---|--|--|--|
| <i>See an advisor for recommended courses</i>   |  |  |  |
| <i>At this point [above = 58-80 credits], it is recommended students pursue these options:</i>  |  |  |  |
| <p><b>Work closely with a Business Advisor</b> to select your courses (12-28 credits) from the course categories below that will help you fulfill any remaining degree requirements. These courses may be General Education and/or lower division Business Electives at the university you wish to attend. It is VITAL that you work with an Advisor at your current school to plan your needed courses for the university you wish to attend, as the transfer of course credits varies from one university to another.</p> |  |  |  |
| <p><b>Please be aware of the following MTM requirements when selecting courses:</b></p> <ul style="list-style-type: none"> <li>• Only 12 credits of CTE can be applied toward the MTM</li> <li>• Only 3 credits of PE can be applied toward the MTM</li> </ul>  |  |  |  |
| <p><b><u>Arts and Letters (3-4 credits per class):</u></b><br/>           Business Ethics<br/>           Art History<br/>           Intercultural<br/>           Communication<br/>           Philosophy<br/>           Music/Theater Literacy<br/>           World Literature<br/>           Writing</p>   | <p><b><u>Social Science (3-4 credits per class):</u></b><br/>           Anthropology<br/>           Geography<br/>           Psychology (social/cognitive)<br/>           Sociology (cultural/social change/diversity)<br/>           US Government Politics &amp; History<br/>           Global Civilization<br/>           Women's Studies</p> | <p><b><u>Science (3-4 credits per class):</u></b><br/>           Global Ecology &amp; Conservation</p> | <p><b><u>Business Courses (3-4 credits per class) (if offered):</u></b><br/>           Depending on the area you wish to focus on in Business, one or more business elective(s) may be appropriate. Speak to your advisor for guidance</p> |

**College of Business Requirements & Degrees/Areas of Concentration Compatible with the AST- Business**  
See an advisor for recommended courses and to learn more about these programs and the application processes

|                                      | <b>EOU</b>           | <b>OIT</b>  | <b>OSU</b>   | <b>PSU</b>   | <b>SOU</b>   | <b>UO</b>  | <b>WOU</b>                         |
|--------------------------------------|----------------------|---|--|--|--|--|------------------------------------|
| <b>Application Required</b>          | No                   | NA  | Yes  | Yes: Opt-in at orientation or before beginning 200 level courses | No   | Yes  | No                                 |
| <b>Required GPA</b>                  | 2.0 for all students | 2.25 cumulative for transfer students                               | 2.25 based on transferable college-level credit. (For FY, 3.0 GPA preferred) | 2.50 for all students  | Students transferring to SOU from a regionally accredited college or university must show evidence of honorable dismissal from the other collegiate institutions and a cumulative grade point average of at least 2.25 in 36 quarter credits (or 24 semester credits) of acceptable college work. Applicants who hold an associate's degree from a regionally accredited institution or an Oregon Transfer Module (OTM) will be admitted with a 2.00 GPA | 3.0 cumulative transfer/UO combined and 3.0 pre-business core GPA - includes BA 101, ACTG 211 and 213, EC 201 and 202 equivalents. GPAs are for guaranteed admission, a holistic review is also possible | 2.25 GPA in all college level work |
| <b>Minimum Course Grade Required</b> | C-                   | D for transfer, some courses req. higher grade to continue in major | Varies depending on course/major   | C-   | C-   | C-   | C-                                 |

|  |   |  |   |  |  |   |  |
|--|---|--|---|--|--|---|--|
| <b>Other Admissions Requirements</b>                             | None  | None   | None  | None   | None   | None  | None   |
|  | <b>EOU</b>  | <b>OIT</b>   | <b>OSU</b>  | <b>PSU</b>   | <b>SOU</b>   | <b>UO</b>   | <b>WOU</b>   |
| <b>Degrees or concentrations that work with the AST-Business</b> | The MTM-Business pathway works for all of our business and accounting degrees and their concentrations: Marketing (to be a major in 2022), Leadership, Organization and Management (soon to have a new title) and Global Foods and Agribusiness | The MTM – Business pathway works for the business management program | The MTM-Business pathway works for: Accountancy, Business Administration, Business Analytics, Business Information Systems, Finance, Management, Marketing, Supply Chain and Logistics Management, and any option within these degree programs. | The MTM-Business Pathway works for all concentrations of business: Accounting, Business Technology & Analytics, Advertising, Finance, Human Resources, Management & Leadership, Marketing, and Supply & Logistics Management | The MTM works for all concentrations in our Business major: Accounting, Management, Marketing, and Tourism Management. | The MTM - Business Pathway works for the Accounting and Business Administration majors and all concentrations within the Business Administration major: Entrepreneurship, Finance, Marketing, Operations and Business Analytics, and Sports Business. | The MTM works for all concentrations in our Business major: Accounting, Finance, Management, Marketing, and International Business |

Part 5: Signature of Participating Institutions

**Major Transfer Map: Statewide Articulation Agreement  
Participants to the Agreement**

The Oregon Transfer and Articulation Committee (OTAC) reviewed this agreement on January 6, 2021 and forwarded it for approval by the chief academic officers of Oregon’s public universities offering the business degree and the chief academic officer of Oregon’s community colleges  
*(Note: Signatures are on file at the Higher Education Coordinating Commission)*

Signatures on file:

|   |      |  |      |
|---|------|--|------|
| _____<br>Eastern Oregon University        | Date | _____<br>Oregon State University         | Date |
| _____<br>Portland State University        | Date | _____<br>Oregon Institute of Technology  | Date |
| _____<br>Southern Oregon University       | Date | _____<br>Western Oregon University       | Date |
| _____<br>University of Oregon             | Date | _____<br>Blue Mountain Community College | Date |
| _____<br>Central Oregon Community College | Date | _____<br>Chemeketa Community College     | Date |
| _____<br>Clackamas Community College      | Date | _____<br>Clatsop Community College       | Date |
| _____<br>Columbia Gorge Community College | Date | _____<br>Klamath Community College       | Date |
| _____<br>Lane Community College           | Date | _____<br>Linn-Benton Community College   | Date |
| _____<br>Mt. Hood Community College       | Date | _____<br>Oregon Coast Community College  | Date |
| _____                                     |      | _____                                    |      |

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Portland Community College                      Date

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Southwestern Community College                      Date

---

Treasure Valley Community College                      Date

---

Rogue Community College                      Date

---

Tillamook Bay Community College                      Date

---

Umpqua Community College                      Date



## Part 6: Major Transfer Map Participants

### Group Coordinators:

#### Public Universities:

|                      |                                |
|----------------------|--------------------------------|
| Kevin Walker         | Eastern Oregon University      |
| Maureen Seigny       | Oregon Institute of Technology |
| Prem Matthews        | Oregon State University        |
| Becky Sanchez        | Portland State University      |
| Joan McBee           | Southern Oregon University     |
| Heather Bottorff     | University of Oregon           |
| Hamid Bahari-Kashani | Western Oregon University      |

#### Community Colleges:

|                   |                                       |
|-------------------|---------------------------------------|
| Velda Arnaud      | Blue Mountain Community College       |
| Michael Hansen    | Central Oregon Community College      |
| Karen Edwards     | Chemeketa Community College           |
| Mike Moiso        | Clackamas Community College           |
| Kristen Wilkin    | Clatsop Community College             |
| Todd Meislahn     | Columbia Gorge Community College      |
| Linda Williamson  | Klamath Community College             |
| Chris Culver      | Lane Community College                |
| Paul Hibbard      | Linn-Benton Community College         |
| Andy Wong         | Mt. Hood Community College            |
| Scott Birk        | Portland Community College            |
| Melissa Polen     | Rogue Community College               |
| Linda Stagg-Brown | Southwestern Oregon Community College |
| Tom Atchison      | Tillamook Bay Community College       |
| Toni Clough       | Umpqua Community College              |

#### Higher Education Coordinating Commission Staff:

|                |   |
|----------------|---|
| Kia Sorensen   | Office of Academic Policy & Authorization           |
| Brittany Miles | Office of Community College & Workforce Development |

## Part 7: Oregon Transfer Advisory Committee Members 2019-20

Chair: Edward Feser, Provost and Executive Vice President, Oregon State University

Incoming Chair: David Plotkin, Vice President of Instruction and Student Services, Clackamas Community College

Elizabeth Brand Cox, Executive Director, Student Success Center, Oregon Community College Association

Dana Richardson, Executive Director for the Council of Presidents, Oregon Public Universities Council of Presidents

Teresa Rivenes, Vice President of Instruction, Tillamook Bay Community College

Sal Castillo, Director-Institutional Research, Oregon State University

Erin Bird, Transfer Transitions Coordinator, Oregon State University

Megan Deane McKenna, Academic Advisor, Tillamook Bay Community College

Andrew Clum, STEM Division Student Success Coordinator, Southern Oregon University

Frances White, Professor and Department Head, Anthropology, University of Oregon

Kevin Walker, Professor, College of Business, Eastern Oregon University

Seth Anthony, Associate Professor, Oregon Institution of Technology

Ann Cary, Interim Dean of Academic Affairs, Portland Community College

Blake Hausman, Instructor DE Reading, Writing & English, Portland Community College

Kendra Cawley, Dean of Academic Affairs, Academic Affairs, Portland Community College

John Copp, History, Political Science Instructor, Department Chair, Columbia Gorge Community College

Laurette Scott, Education Faculty, Department Chair, Clackamas Community College

Erin Baumgartner, Director of General Education; Interim Associate Provost for Academic Programs and Effectiveness, Western Oregon University

Thaddeus Shannon, Associate Professor, Computer Science, Western Oregon University

Kathy Smith, Associate Professor of Math, Central Oregon Community College

Kate Sullivan, OWEAC Chair, Professor Writing, Lane Community College

Rick DeBellis, Associate Director for Enrollment Management, Degree Partnership Programs and Transfer Student Services, Oregon State University

Melissa Frey, Dean & Registrar, Student Recruitment, Enrollment and Graduation Services

Director Enrollment Services/ Registrar, Chemeketa Community College

Cindy Baccar, Associate Vice Provost & University Registrar, Academic Affairs, Portland State University

Mindy Williams, Oregon Writing English Advisory Committee Chair, Central Oregon Community College

Linda Samek, Professor of Education in Residence, George Fox University

Patrick Crane, Director, Community Colleges and Workforce Development

Veronica Dujon, Director, Academic Policy and Authorization

Appendix A.  
New Excel Skills Class course equivalencies

| <b>College</b> | <b>Identified Course(s) &amp; Credits</b> | <b>Currently Meets</b> | <b>Ready by Fall 2021</b>                    |
|----------------|---|------------------------|--|
| BMCC           | BA 230 (4)                                | Yes                    |  |
| CGCC           | CAS 170 (4)                               | No                     | Will be updated by fall of 2021              |
| Chemeketa      | CSL 125E (4)                              | Yes                    |  |
| Clackamas      | CS 135S (3)                               | Yes                    | BA 131 will updated and ready by winter 2021 |
| Clatsop        | CS 131 (4)                                | No                     | Fall of 2021 CS 131 (4) will be updated      |
| COCC           | CIS 125E (4)                              | Yes                    |  |
| LBCC           | CIS 135 S (3)                             | Yes                    |  |
| LCC            | BT 123 (4)                                | Yes                    |  |
| MHCC           | BA 131 (3)                                | Yes                    | 2021-2022 school year                        |
| PCC            | CAS 170 (3)                               | Yes                    |  |
| OCCC           | CAS 170 (3)                               | No                     | OCCC will add pivot tables in spring 2021    |
| RCC            | BA 131 (4)                                | Yes                    | Summer 2021 will update course outline       |
| SWOCC          | CIS 125 S (4)                             | Yes                    |  |
| TBCC           | CAS 170 (3)                               | No                     | CAS 170 fall 2021 possibly sooner            |
| UCC            | CIS 125S (4)                              | Yes                    |  |
| KCC            | CAS 170                                   | Yes                    |  |
| TVCC           | BT 232 (4)                                | Yes                    |  |

Appendix A. con't

| <b>OPU</b> | <b>Identified Course(s) &amp; Credits</b> | Currently Meets |
|------------|---|-----------------|
| <b>OSU</b> | BA 160 Series                             | Yes             |
| <b>PSU</b> | BA 205 (4) (BA 131+Wr 227)                | Yes             |
| <b>WOU</b> | BA 131 (3)                                | Yes             |
| <b>EOU</b> | BA 131 (4)                                | Yes             |
| <b>OIT</b> | MIS 102 (1) + MIS 375 (3)                 | Yes             |
| <b>UO</b>  | BA 240 (4)                                | Yes             |
| <b>SOU</b> | BA 131 (4) or BA 285 (4)                  | Yes             |

## Appendix B.

## BA 211 - Business Minimum Expectation Crosswalk

| College   | # of OPU Expectations Met | # of Credits | Able to offer for 4 cr? | Currently Meets | Pre-Reqs  | Ready by Fall 2021                                   |
|-----------|---------------------------|--------------|-------------------------|-----------------|---|--|
| BMCC      | 5                         | 4cr.         | Yes                     | No              | None  | Yes, updated by 2021                                 |
| Chemeketa | 7                         | 4cr.         | Yes                     | Yes             | None  |  |
| Clackamas | 7                         | 4cr.         | Yes                     | Yes             | BA 101  | BA 211 and 212 are not combined                      |
| Clatsop   | 7                         | 4cr.         | Yes                     | Yes             | None  |  |
| COCC      | 7                         | 4cr.         | Yes                     | Yes             | None  |  |
| CGCC      | 4                         | 3cr.         | Yes                     | No              | WR115, RD115, MTH20   | Yes by 2021  |
| KCC       | 5                         | 4            | Yes                     | No              |   | Yes by 2021  |
| LBCC      | 7                         | 4cr          | Yes                     | Yes             | Not specified   |  |
| LCC       | 7                         | 4cr.         | Yes                     | Yes             | None  |  |
| MHCC      | 6.6                       | 4cr.         | Yes                     | No              | BA101 and BA131   | Will update by 2021                                  |
| OCCC      |                           |              |                         |                 |   | Will update by fall 2020                             |
| PCC       | 7                         | 3cr.         | Yes                     | Yes             | RD 121, WR 121, MATH 60, BA 111 is suggested (Intro to Acctg) | Will update by 2021                                  |
| RCC       | 5.5                       | 4cr.         | Yes                     | No              | BA131 and BT160 (or higher level math)                        | Yes, summer of 2021 and will gradually phase out 212 |
| SOCC      | 4                         | 4cr.         | Yes                     | No              | None  | Need more information                                |
| TBCC      | 6                         | 4cr.         | Yes                     | No              | None  | Yes, course will be updated                          |
| UCC       | 5                         | 3cr.         | Yes                     | No              | None  | Yes by 2021  |
| TVCC      | 7                         | 4            | Yes                     | Yes             | Not specified   |  |
|           | 8                         |              | 10                      | 15 by 2021      |   |  |

| <b>OPU</b> | <b># of Expectations Met</b> | <b>Currently Meets</b> | <b>Pre-Reqs</b>                |
|------------|------------------------------|------------------------|--------------------------------|
| <b>OSU</b> | 7                            | Yes                    | MTH 111;<br>sophomore standing |
| <b>PSU</b> | 7                            | Yes                    | BA 101                         |
| <b>WOU</b> | 7                            | Yes                    |                                |
| <b>EOU</b> | 7                            | Yes                    | MATH 070                       |
| <b>OIT</b> | 7                            | Yes                    | Yes, MTH 95 or higher          |
| <b>UO</b>  | 7                            | Yes                    | Sophomore Standing             |
| <b>SOU</b> | 7                            | Yes                    | BA 131 recommended             |

## Appendix C. University of Oregon Business (BS) Transfer Agreement

### Summary of Agreement with UO:

1. WR 227 Technical Writing: The UO Core Education Council approved accepting WR 227 as clearing the second four credits of the required eight credits of writing when transferred from an Oregon Community College as part of a completed Business MTM. WR 227 will not articulate as a specific UO writing course, but rather as WR 200T. This decision is pending final approval from the University Senate in December 2020 and will begin Fall 2021.
2. Beginning Fall 2021, the University of Oregon's Lundquist College of Business will accept BA 226 or BA 230 or equivalent as replacement credit for BA 325, Business Law and Ethics, a required Business major core course. This replacement requires completion of the Business MTM, and will be extended to students who complete the ASOT in Business. The community college equivalent course will not articulate as a specific UO course, but rather as BA 200T.
3. Beginning Fall 2021 the University of Oregon's Lundquist College of Business will accept completion of the Excel Skills class outlined in the Business MTM as replacement credit for BA 240, Managing Business Information, a required UO Business major course. This replacement will be extended to all Oregon community college transfer students, regardless of whether they have completed the Business MTM.

## Appendix D. Southern Oregon University Business (BS) Transfer Agreement



To: HECC  
From: Joan McBee, Professor, School of Business  
Date: November 12, 2020  
Re: Major Transfer Map in Business

The Business major at Southern Oregon University requires two lower-division courses that are not part of the Major Transfer Map (MTM): Advanced Excel and Orientation to the School of Business. Because the other business departments at Oregon public universities do not require these two courses for their majors, SOU has proposed the following changes to its curriculum to be compatible with the MTM.

1. BA285 Advanced Spreadsheets was modified and moved to the upper-division level.
2. BA100 Orientation to the School of Business was removed as a requirement.
3. BA101 Introduction to Business (which is already a part of the MTM) was added as a requirement.

Once these changes are approved, a student may follow the Business MTM path and be able to transfer to SOU with all of the lower-division requirements met. These changes will be taken to the University Curriculum Committee for approval in Winter 2021. If approved, the changes will be effective Fall 2021. Approval is expected.



## Appendix E. Portland State University Business (BS) Transfer Agreement



### **Portland State University Business Transfer Agreement**

The Business major at Portland State University (PSU) requires students take BA 205 – Business Communications using Technology. The Major Transfer Map (MTM) for business requires BA 131- Introduction to Business Technology and WR 227 – Technical Writing. For Fall 2021 the PSU Business department is agreeing to accept BA 131 and WR 227 as a substitution for BA 205 at PSU. Additionally, the WR 227 class will count toward the second writing class for all students.

It is understood that BA 131 at the Oregon community colleges will be undergoing changes to meet the goals of most Oregon Public Universities. Those changes include adjusting the content to focus on critical Microsoft Excel skills to include the following:

- How to use mathematical formulas utilizing relative, absolute, & mixed cell references.
- How to use Excel mathematical and statistical functions.
- How to use datasets, tables, Pivot Tables and Pivot Charts.

While the BA 205 course at PSU does not currently cover those topics, the articulation of BA 131 and WR 227 to substitute for BA 205 will remain in place ensuring that students who complete the MTM are not required to complete an additional lower division BA course upon transfer.

## Appendix F. Business Major Transfer Map Crosswalk

| Core Transfer Map   | Credits | EOU  | OIT   | OSU  | PSU  | SOU   | UO  | WOU  |
|---|---------|--|---|--|--|---|---|--|
| <b>Writing-<br/>WR 121</b>                                  | 3-4     | <b>WR 121</b> (3-4 credits)<br>Also receives GTW gen ed credit.  | <b>WR 121</b> (3 credits)   | <b>WR 121</b> (3 credits)<br><br>Proposal to move this to a 4-credit course has been submitted.  | <b>1 of 2 University Writing courses</b> <sup>1</sup> (3-4 credits)  | <b>1 of 3 Strand A – Communication Goals course</b> (3-4 credits) USEM 101 which is equivalent to WR 121  | <b>WR 121</b> (3-4 credits)   | <b>Meets 3 to 4 credits of Foundations: Writing courses</b> (0-8 credits required)   |
| <b>Arts &amp; Letters:<br/>2 courses (AAOT course list)</b> | 6-8     | <b>2 Aesthetics and Humanities courses</b> (6-8 credits)<br><b>2 Artistic Process and Creation courses</b> (6-8 credits) | <b>2 Humanities courses</b> (6 credits). No more than 3 credits may be a performance-based course.                | <b>These three gen. ed. categories can be satisfied by Arts &amp; Letters coursework:</b><br><br><b>1 of 1 Literature/Arts course</b> (3-4 credits)<br><br><b>1 of 1 Western Culture course</b> (3-4 credits)<br><br><b>1 of 1 Cultural Diversity course</b> (3-4 credits) | <u>BS</u><br><b>No additional credits needed to fulfill this beyond ECON &amp; COMM. Additional credits if taken apply to 180 credits for graduation (Fring &amp; Sinq)</b><br><br>Requirement for BS is 12 credits of social science and/or AL. | <b>2 of 3 Strand E – Humanities courses</b> (6-8 credits)   | <b>15 Arts and Letters credits required at UO</b> - These 2 courses are 6-8 credits of the Arts and Letters requirement | <b>Meets 6 to 8 credits of Exploring Knowledge: Literary and Aesthetic Perspectives courses</b> (6-8 credits required)   |
| <b>Social Science: 2 courses<br/>Econ 201<br/>Econ 202</b>  | 6-8     | <b>2 Social Science courses</b> (6-8 credits)<br>ECON 201 & ECON 202 are required in the major and count as SSC gen eds. | <b>2 Social Science courses</b> (6 credits) ECON 201 & ECON 202 are required and count as social science gen. ed. | <b>2 Social Science courses</b> (6-8 credits)<br><br>ECON 201 (4) and ECON 202 (4) ECON 201 satisfies gen. ed. (Social Processes and Institutions category) requirement.<br><br>Both courses are required for major.   | <b>2 Social Science courses (from above listed 12)</b><br><br>ECON 201 (4) and ECON 202 (4)  | <b>2 of 3 Strand F – Social Sciences courses</b> (6-8 credits)<br><br>Econ201 and 202 are required for the major and count toward social science. | <b>15 Social Science credits required at UO</b> - These 2 courses are 6-8 credits of the Social Science requirement     | <b>Meets 6 to 8 credits of Exploring Knowledge: Social, Historic, and Civic Perspectives courses</b> (6-8 credits required)<br>EC 201 and EC 202 are required for the major and will count toward Gen Ed |



| Major and Elective Courses                    | Credits | EOU  | OIT   | OSU  | PSU   | SOU   | UO   | WOU  |
|---|---------|--|---|--|---|---|--|--|
| WR 227  | 3-4     | BA 225, Meets 2nd University Writing Requirement (4 credits).  | Meets general education requirement (3 credits)   | Meets gen. ed. Writing II requirement (Skills category) (3 credits)          | Meets second gen ed writing requirement (4 credits) and half of BA 205 requirement. | Meets University Studies requirement for 1 Strand B – Thinking course (3-4 credits)   | Completes second part of UO WR requirement in place of WR 122/3                            | If student completes degree, counts as second WR req. If student doesn't complete degree will count toward Gen Ed. |
| Oral Communication                            | 3-4     | COMM 111 Not required but receives GTW gen ed credit.  | COMM 111 Required for gen. ed. (3 credits)  | COMM 111 Meets major requirements  | COMM 111  | COMM 111 Required for Gen Ed.   | COMM 111 Counts towards GE requirements. Arts and Letters (3-4 credits)                    | COMM 111 Meets 3-4 credits of Foundations: Communication and Language (3-4 credits required)                       |
| Introduction to Business                      | 4       | BA 101 Not required but receives GTW gen ed credit.  | Will be part of the 18 credits of business electives  | BA 101 (6 cr) Counts toward major requirements.                              | BA 101  | BA 101 Will count for the third required social science class.                        | BA 101 (3-6 cr) Counts toward major requirements and Social Science                        | Will count as business elective (5/12/20)  |
| Financial and Managerial Accounting 211 & 213 | 8-12    | BA 211, 213 *Meets major requirements.   | ACC 201,203 (they accept 211 and 213) *Meets major requirements. BA 212 would be part of the 18 credits of program electives. | BA 211 and BA 213 (8 cr) Required for major                                  | BA 211 and 212 meeting their BA 211 requirements, BA 213 *Meets major requirements. | BA 211,213 *Meets major requirements. * (8 credits of BA 211 and BA 213 are required) | BA 211 and 213 Meet major requirements (Actg 211/213), 8 credits required                  | BA 211,213 *Meets major requirements. * (8 credits of BA 211 and BA 213 are required)                              |
| Business Law 226/230                          | 4       | BA 226/230 Required for major.   | BA 226/230 Required for major (3 credits)   | BA 226/230 Required for major  | Business Elective   | BA 226 Required for major   | Will substitute for BA 325 in the upper division business core requirements.               | BA 230 Required for major  |
| Statistics II *                               | 4-5     | *not required Gen Ed elective - Stats II is a *preferred SMI gen ed elective* but not required by EOU. | Math 244 Required for major - Yes but might be able to allow stand-alone MTH 243. Still under discussion                      | The combination of MTH 243 and MTH 244 satisfy our BA 275 major requirement. | *not required - counts toward overall non-business credit to graduate               | Math 244 Required for major   | Math 244 - will fulfill major requirement and science/BS                                   | Math 243/ Math 244 Required for major (4 credits required)   |
| College Algebra *                             | 4-5     | *not required Non-gen ed elective at EOU   | Math 111 Required for major (4 credits)   | Math 111 Required for major  | *not required - counts toward overall non-business credit to graduate               | *not required It would count as an elective if they already have Math243 and 244.     | Math 111 pre-requisite for math 241 - Can skip if placed in Math 241/251, counts toward BS | Math 111 Required for major  |

|  |     |  |   |   |   |   |   |  |
|--|-----|--|---|---|---|---|---|--|
| <b>Calculus *</b>                          | 4-5 | <b>*not required</b> SMI gen ed elective unless student intends  | <b>*Currently, MATH 371 is required but it will be changed to a</b>   | <b>Math 241</b>   | <b>*not required</b> - counts toward overall non-business credit to graduate  | <b>*not required</b> This will count as General Elective credit | <b>Math 241/Math 251</b>  | <b>Math 241/Math 251</b><br>Required for major |
|  |     | BA/ECON double major (then it's required for Economics).   | <b>math/science elective as noted above. Starting fall 2021 it will not be required</b>   | *Meets major requirements   |   |   | *Meets major requirements and BS/science  |  |
| <b>Excel Course (BA 131 or equivalent)</b> | 3-4 | <b>BA 131</b> (or equivalent course focusing on Excel up through the Intermediate level)   | <b>MIS 102</b> - only 1 credit, remainder would be general elective credits -   | <b>BA 131</b> (or equivalent focusing on Excel). This course plus BA101 clears our First Year Experience (9 credits) requirement. | <b>BA 205</b><br>-PSU does not have an equivalent to BA 131, If a student takes BA131 along with WR227 it can count for BA205. Otherwise, BA131 will count as a business elective and go toward their overall 180 to graduate | <b>BA 131</b>   | <b>Will meet BA 240 requirement</b> required for admission to the college of business                                       | <b>BA 131</b><br>Required for major            |
| <b>NOTES</b>                               |     | EOU caps at 90 credits with a BA prefix. The general business degree has 56 BA credits leaving 34 credits for BA electives. ECON, STATS, and ACCT are also in the program but have different prefixes and ECON and STATS are also gen eds. If a student is doing a concentration, it adds another 16 BA credits. | WRI, social science, SPE, and humanities courses are almost all 3-credits; additional credits from 4-credit transfers can apply to electives if needed. MATH and science classes are 4 credits. |   |   |   | Required courses in the MTM will not meet all UO general education credits, so smart use of elective credits is encouraged. |  |

| Completed MTM | CC Credits | EOU                                    | OIT  | OSU           | PSU   | SOU | UO | WOU |
|---------------|------------|--|--|---------------|---|-----|----|-----|
| Credit Total  |            | 60-65 credits (CTM + Req. LD business) | 50 -54 credits applied to courses requirements (with BA 101 and possibly BA 212 applied as program electives) plus up to 13 general elective credits if transfer courses are 4 credit in place of OIT's 3 credit requirement Total: 50- 67 credits | 69-78 credits | 64 credits (Core transfer + required business courses) - Includes BA 212 credit |     |    |     |

| Remaining Degree Requirements | EOU   | OIT  | OSU   | PSU  | SOU  | UO   | WOU   |
|-------------------------------|---|--|---|--|--|--|---|
| General Education             | 1 course that meets Difference, Power and Discrimination (DPD) requirement (minimum 4 credits).   | -1 course in ethics ( PHIL 331)<br>-WRI 122<br>-2 additional courses in writing or speech from approved list (total of 6 courses in communication for gen ed: WRI 121, WRI 122, WRI 227, SPE 111, SPE 321, COMM elect. from approved list)<br>-2 social science courses beyond ECON (PSY 201, PSY 347 (equivalent to BA 285) unless taken as electives at CC | <b>Remaining course in gen. ed. category covered in Arts &amp; Letters coursework</b>                       | <b>One science course if only two were taken (4)</b>   | <b>One science course if only two were taken</b>       | 3-6 credits of Arts and Letters remaining to get to 15 credits. Use electives to reduce remaining, if possible, and try to overlap with UO cultural literacy requirement | <b>1 course from Foundations: Critical Thinking category</b><br>(3-4 credits required)  |
|                               | EOU requires 60 total gen ed credits with at least 6 different disciplines representing the AEH, SMI, SSC, & APC categories. (2 disciplines per category with a minimum 6 credits up to 20 credits per category.) Up to 15 GTW credits may be counted towards the 60 total credits. An additional SSC course outside of ECON is required. | Ethics,<br>-Math 111<br>-MATH 244 (They have a single 4-credit statistical methods course, MATH 361 which is equivalent to MTH 243 + MTH 244)<br>-122, 227 for writing, COMM 111 and the equivalent of COMM 215 or COMM 219; 18 credits or 6 COM courses required  | One course (3/4 credits) in Difference, Power, and Discrimination   | 8 credits in sophomore inquiry (depends on how many credits are transferred to PSU)<br><br>30-59 = 12 soph inq credits<br>60-74 = 8 soph inq credits<br>75-89 = 4 soph inq credits<br>90+ = no soph inq required<br>Based on above info - placement would require 8 credits of sophomore inquiry |  | 1-6 credits of Social Science remaining to get to 15 credits. Use electives to reduce remaining, if possible, and try to overlap with UO cultural literacy requirement   | <b>1 course from Foundations: Health Promotion category</b><br>(3-4 credits required)   |
|                               |   |  | <b>One upper division course (3/4 credits) in Contemporary Global Issues. (gen. ed. Synthesis category)</b> | <b>12 credits in upper division cluster</b>  | <b>12 credits in upper division University Studies</b> | <b>0 credits remaining to get to 15 science credits required for UO</b>  | <b>1 course from Integrating Knowledge: Citizenship, Social Responsibility and Global Awareness category</b><br>(3-4 credits required, our BA 362 will double count here) |

|                           |                                     |  |   |   |                              |   |   |
|---------------------------|-------------------------------------|--|---|---|------------------------------|---|---|
|                           |                                     |  | One upper division course (3/4 credits) in Science, Technology, and Society (gen. ed. Synthesis category) |   |                              | BS complete with math required for MTM  | 1 course from Integrating Knowledge: Science, Technology, and Society category (3-4 credits required) |
|                           |                                     |  | 3 <sup>rd</sup> Bio or Phys. Science course w/ lab (4 credits)  |   |                              | 0-4 credits for Cultural Literacy requirement (depends on overlap with general education) |   |
|                           |                                     |  | One Fitness course (gen. ed. Skills category)   |   |                              | WR requirement complete with MTM  |   |
|                           |                                     |  |   |   |                              |   |   |
|                           |                                     |  |   |   |                              |   |   |
| <b>Major Requirements</b> | BA 303 Information Management (4)   | BUS 215- Principles of Management (equivalent to BA 206) (3), BUS 223, - Principles of Marketing (equivalent to BA 223) (3) & MIS 206 - Intro to Information Systems (3) | BA 260 Intro to Entrepreneurship (4)  | BA 301 - Research and Analysis of Business Problems (4) | BA285 Advanced Excel         | BA 308 Leadership and Communication(4)  | BA 310 Principles of Marketing (3)  |
|                           | BA 312 Principles of Marketing (4)  | BUS 349 - Human Resources Management (3)   | BA 270 Business Process management (4)  | BA 302 - Organizational Behavior (4)                    | BA324 Business Communication | MKTG 311 Marketing Management (4)   | BA 315 Financial Management (3)   |
|                           | BA 313 Principles of Finance (4)    | BUS 456 - Bus. Research Methods I (3) & BUS 457 - Bus. Research Methods II (3)   | BA 311, 312, 313: Blueprint coursework (1 credit each)  | BA 303 - Business Finance (4)                           | BA330 Marketing              | FIN 311 Economic Foundatoin of Competitive Analysis (4)                                   | BA 325 Portfolio Management (3)   |
|                           | BA 321 Principles of Management (4) | MIS 375 - Decision Support Systems (3), MIS 334 - Business   | BA 347 International Business (4)   | BA 311 - Marketing Management (4)                       | BA374 Management             | FIN 316 Financial Management (4)  | BA 361D Organizational Behavior (3)   |



|  |   |  |   |  |  |  |  |
|--|---|--|---|--|--|--|--|
|  |   | <b>Analytics (4), MIS 113 (or MIS 275) - Database (3 or 4)</b>   |   |  |  |  |  |
|  | <b>BA 323 Quantitative Business Analysis (4)</b>  | <b>ANTH 452 - Globalization (3) &amp; BUS 308 - International Business (3)</b>   | <b>BA 352 Managing Indv &amp; Team Performance (4)</b>        | <b>BA 325 - Information Literacy (4)</b>                                 | <b>BA380 Operations Management</b>                 | <b>MGMT 311 Managing People in Organizations (4)</b> | <b>BA 362 Business Ethics (3)</b>              |
|  | <b>BA 380 Principles of Global Management (4)</b> | <b>ACC 325 - Finance (4)</b>   | <b>BA 354: Managing Ethics and CSR (4)</b>                    | <b>BA 327 - Data Analysis &amp; Visualization (2)</b>                    | <b>BA382 Management Information Systems</b>        | <b>OBA 311 Business Analytics I (4)</b>              | <b>BA 367Q Regression Analysis (3)</b>         |
|  | <b>BA 381 Operations Management (4)</b>           | <b>BUS 356 - Business Presentations (4)</b>  | <b>BA 357 Operations Management (4)</b>                       | <b>BA 339 - Operations &amp; Quality Management (4)</b>                  | <b>BA385 Finance</b>                               | <b>OBA 312 Business Analytics II (4)</b>             | <b>BA 368 Intro to Operations Research (3)</b> |
|  | <b>BA 411 Business Ethics &amp; Society (4)</b>   | <b>BUS 441 - Leadership (3)</b>  | <b>BA 360 Finance or BA 240 Intro to Finance (4)</b>          | <b>BA 385 - Business Environment (4)</b>                                 | <b>BA427 Business Policy and Strategy</b>          | <b>OBA 335 Operations Management (4)</b>             | <b>BA 411 Marketing Strategy (3)</b>           |
|  | <b>BA 451 Human Resources Management (4)</b>      | <b>BUS 467 - Service Management (3)</b>  | <b>BA 370 Business Systems Analysis (4)</b>                   | <b>BA 495 - Business Strategy &amp; Capstone (6)</b>                     | <b>BA428 Business Research OR BA409 Internship</b> | <b>BA 453 Business Strategy and Planning (4)</b>     | <b>BA 490 Operations Management (3)</b>        |
|  | <b>BA 461 Organizational Behavior (4)</b>         | <b>BUS 478 - Strategic Management (3)</b>  | <b>BA 375 Applied Quantitative Methods (4)</b>                | <b>For Mgmt Major: MGMT 351 - HR Management (4)</b>                      | <b>BA499 Business Planning</b>                     |  | <b>BA 491 Strategic Management (3)</b>         |
|  | <b>BA 498 Business Policy &amp; Strategy (4)</b>  | <b>BUS 307 - Business Seminar (3), GIS 207 - GIS Seminar (1)</b>   | <b>BA 381 Professional Development (4) or equivalent</b>      | <b>For Mgmt Major: MGMT 428 - Team Processes (4)</b>                     |  |  | <b>EC 318/319/440 (one) (4)</b>                |
|  |   | <b>MGT 335 - Project Management (3)</b>  | <b>BA 390 Marketing or BA 223 Intro to Marketing (4)</b>      | <b>For Mgmt Major: MGMT 445 - Organizational Design &amp; Change (4)</b> |  |  |  |
|  |   | <b>MGT 321 - Operations Management (3), MGT 421 - Quality Management (3) &amp; MGT 461 - Lean/Six Sigma Mgt. I (3)</b> | <b>BA 411, 412, 413: Blueprint coursework (1 credit each)</b> | <b>For Mgmt Major: MGMT 464 - Contemporary Leadership Issues (4)</b>     |  |  |  |

|                 |   |  |   |   |   |  |  |
|-----------------|---|--|---|---|---|--|--|
|                 |   | BUS 495, BUS 496 & BUS 497 - Senior Project I, II, III (3 each)  | BA 466 Integrative Strategic Experience (4)   |   |   |  |  |
|                 | This sequence satisfies the core upper division requirements for a general business degree. There are concentrations available requiring an additional 16 credits chosen from the specific concentration electives area to be awarded the concentration. NOTE: The accounting major has differences in the upper division core. See the accounting major checklist for details. | BUS 390 - Management Internship or Business Elective (3)   | This major requirement list satisfies the Business Administration major. Other coursework is required for other majors. |   |   |  |  |
| Major Electives |   | 18 credits from specified list. Would apply BA 101 and BA 212 for MTM transferees leaving 10-14 credits. | Sufficient credits to get to 60 upper division credits.   | For Mgmt Major: Management 400 level elective (4)   | Select Major Option: Management, Marketing, Accounting, or Tourism Management (20-32 credits) | 7 Upper Division Business Electives (28 credits) | 24 credits of upper division elective credits in Business, Economics, Entrepreneurship |
|                 |   |  |   | For Mgmt Major: Management elective (4)   |   |  |  |
|                 |   |  |   | Sufficient credits to get to 82 business credits = 0 business credits if BA 212 taken, 2 credits if ACTG series becomes 8 credits       |   |  |  |
|                 |   |  |   | Sufficient credits to get to 90 non-business credits = 26 credits if only Core transfer map & required courses were taken in above plan |   |  |  |
|                 |   |  |   |   |   |  |  |

|   |  |   |   |  |   |   |   |
|---|--|---|---|--|---|---|---|
| <p><b>Additional Electives</b></p>  | <p>Sufficient credits to get to 180 total credits, 60 upper division credits, and 60 general education credits.</p>  | <p>Total of 18 credits of general electives. Surplus credits from 4 credit transfer courses where only 3 credits are required for the Oregon Tech courses are applied toward the 18 elective credits.</p> <p>Minimum of 60 upper division credits needed for the degree.</p>  | <p>Sufficient credits to get to 180 total credits.</p>  | <p>Sufficient credits to get to 180 total credits and 72 UD credits.</p> <p>72 upper division met automatically</p> <p>180 credits = 6 credits of anything if only required courses above are taken</p>  | <p>Non-Business Minor or Certificate Program required (24-28 credits)</p>   | <p>24 Credits non-business minor or theme study. 3 Courses for Global context. (Easy to overlap with Gen Ed and each other - assume at least 12 credits met with previous coursework or by overlapping remaining gened)</p> | <p>Sufficient credits to get to 180 total credits and 60 upper division credits</p> |
| <p><b>Total Credits post transfer (remaining Gen Ed +remaining major req. + any other remaining requirements)</b></p> | <p>CTM 30-35 cr.+ LD Business 30 cr. + remaining gen ed=90. Once students transfer they should take upper division requirements for a general business degree and work with an advisor to discuss concentrations available requiring an additional 16 credits chosen from the specific concentration electives area to be awarded the concentration.</p> | <p>Up to 115 credits remaining. Student could reduce this by taking BA 206, BA 223, PSY 201, COMM 215 (or COMM 219) and BA 285 as part of MTM electives. These would fill 15 required BS degree credits while still leaving room for additional general elective credits. Student would fill 2-13 of the 18 general elective credits depending on the credit count of the core courses and whether MTH 244 is taken or not.</p> <p>Total credits required for graduation = 182.</p> | <p>Up to 77 credits in business administration major and general education after transfer</p> | <p>114 credits if 64 credits were transferred.</p> <p>It should be noted that it is likely (and common now) for more of the lower division credits (one science + 26 non business) to be completed at the community college. That said, I have only focused on the required courses in the core and MTM maps to come to the 114 remaining total.</p> | <p>Total credits is 88-96 credits post transfer. There is some double-dipping that can occur between upper division general education, the major requirements and certificate requirements. Total credits upon graduation should be around 180.</p> | <p>76-92 credits still needed after transfer depending on amount of double dipping, and how the student uses their MTM electives.</p>   | <p><b>Up to 74 credits</b></p>  |

## Appendix G.

### Business Advanced Placement and International Baccalaureate Alignment Meeting September 23, 2020

**Members Present:** Kathy Witwer, Scott Birk, Velda Arnaud, Toni Clough, Joan McBee, Heather Bottorff, Kevin Walker, Hamid Kashani, Maureen Sevigny, Beverly Forney, Andrew Wong, Tom Atchison, Becky Sanchez, Michael Moiso, Prem Mathew, Carla Moha, Todd Meislan, Michael Hansen, The Business Major Transfer Map (MTM) Workgroup met on September 23, 2020 to determine whether Advanced Placement (AP) and International Baccalaureate (IB) articulations contained an acceptable amount of variance for relevant AP and IB subjects to be included in the Business Major Transfer Map Memorandum of Understanding.

#### Advanced Placement:

The group identified AP/IB subjects that are relevant to the Business major. The AP subjects and determinations of the group can be found in Table 1.:

**Table 1.** Crosswalk of AP articulated Higher Ed Courses and MTM Requirements

| AP Exam Name  | Score   | Credit Range | Course Articulations   | Business MTM Major Requirements | Acceptable level of alignment       | Not an acceptable level of alignment                     |
|---------------|---------|--------------|--|---------------------------------|-------------------------------------|--|
| AP Statistics | Level 3 | 4-5          | MTH 243 (4); Math 105 (4); MTH 243 (4); MTH 243 (4); MTH 200T (4); MTH 243 (4); STAT LD Transfer (4); MTH 243 (4); MTH 243 (4); LDT Credit (4) MTH 243 (4); MTH Elective (4) ST elective (4); MATH 243 (4); MTH Elective (4); STAT 243 (4); MTH 243 (4); MTH LDT (will meet GEQR) (4); MTH 243 (4); STAT 243 (5); Elective (4) ; MTH 243 (4); Mathematics (1 course) (4) | MTH 243, ST 201                 | <input type="checkbox"/>            | <input checked="" type="checkbox"/>                      |
| AP Statistics | Level 4 | 4-5          |  | MTH 243, ST 201                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                 |
| AP Statistics | Level 5 | 4-5          |  | MTH 243, ST 201                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>                                 |
| WR 227        | NA      |              |  |                                 |                                     |  |
| COMM 111      | NA      |              |  |                                 |                                     |  |
| MTH 111       | NA      |              |  |                                 |                                     |  |
| AP Calc AB    | Level 3 | 4-5          | MTH 251 (4) MTH 251 MTH 251 (5) MTH 251 (5) MTH 251 (4) MTH 251 (5) MATH 251 (4) MTH 251 (4) MTH 251 (5) MTH 251 (5) MTH 251 (5) MTH 251 (4) MTH 251 (4) MATH 251  | MTH 251                         | <input type="checkbox"/>            | <input checked="" type="checkbox"/><br>UO course differs |

|            |           |     |   |          |                                     |  |
|------------|-----------|-----|---|----------|-------------------------------------|--|
|            |           |     | (4) MTH 251 (4) MTH 251 (4) MTH 251 (5) MTH 251 (4) MTH 251 (4) MTH 251 (5) MATH 251,252 (10) MTH 251 (5) Mathematics (1 course) (4) MTH 251 (4)  |          |                                     |  |
| AP Calc AB | Level 4-5 | 4-5 | MTH 251, 252 (8) MTH 251, 252 MTH 251, 252 (10) MTH 251, 252 (10) MTH 251, 252 (8) MTH 251, 252 (10) MATH 251, 252 (8) MTH 251, 252 (8) MTH 251, 252 (10) MTH 251, MTH 252 (10) MTH 251, 252 (10) MTH 251, 252 (9) MTH 251, 252 (8) MATH 251, Math elective (8) MTH 251, 252 (9) MTH 251, 252 (8) MTH 251,252 (10) MTH 251, 252 (8) MTH 251, 252 (8) MTH 251 (5) MATH 251, 252, 253 (15) MTH 251, 252 (10) MATH 251, Mathematics (1 course) (8) MTH 251, 252 (10) | 251, 252 | <input type="checkbox"/>            | <input checked="" type="checkbox"/><br><br>UO, Oregon Tech, TVCC |
| AP Calc BC | 3-5       | 4-5 |   |          | <input checked="" type="checkbox"/> |  |
| AP Micro   | 3-5       | 3-4 | Econ 201  |          | <input checked="" type="checkbox"/> |  |
| AP Macro   | 3-5       | 3-4 | Econ 202  |          | <input checked="" type="checkbox"/> |  |
|            |           |     |   |          |                                     |  |
|            |           |     |   |          |                                     |  |

**IB subject name alignment:**

The group identified IB subjects that are relevant to the Business major. The relevant IB subjects and determinations of the group can be found in Table 2.:

| IB course name      | Score       | Credit Range | Course Articulations   | Business MTM Major Requirements | Acceptable level of alignment | Not an acceptable level of alignment   |
|---------------------|-------------|--------------|--|---------------------------------|-------------------------------|--|
| Business Management | Standard 4  | 3-6          | TBA BA elective (4) TBA BA Elective (4) BA LDT (3) TBA TBA BUS 101 (3) TBA TBA TBA BA Elective (4) BA LDT (3) TBA BA Elective (4) BA LD (4) BA101 (4) BA LDT(4) BA 250 (3) BA Elective (4) TBA BA 101 (4) Business Administration (1 course) (4) TBA | BUS/BA 101                      | <input type="checkbox"/>      | <input checked="" type="checkbox"/><br>Need table to be completed and need alignment around BA/BUS 101 |
| Business Management | Standard 5+ | 3-6          | TBA BA 101 (4) BA 1XX (4) BA Elective (4) BA LDT (3) TBA TBA BUS 101 (3) BA Elective (4) BA 101A TBA BA Elective (4) BA LDT (3) BUS 101 (3) BA Elective (4) BA LD (4) BA101 (4) BA LDT (4) BA 250 (3) BA Elective (4) TBA BA 101 (4) Business        | BUS/BA 101                      | <input type="checkbox"/>      | <input checked="" type="checkbox"/><br>Need table to be completed and need alignment around BA/BUS 101 |

|                              |                |     |   |            |                          |  |
|------------------------------|----------------|-----|---|------------|--------------------------|--|
|                              |                |     | Administration (1 course)<br>(4) BA 101 (3)   |            |                          |  |
| Business Management          | High level, 4  | 3-6 | TBA BA elective (4) TBA BA Elective (4) BA 101 (6) TBA TBA BUS 101 (3) TBA TBA TBA BA Elective (4) BA 101 (6) TBA BA Elective (4) BA 101 (4) BA101 (4) BA LDT (4) BA Elective (4) BA Elective (4) TBA BA 101 (4) BA 101 (4) TBA   | BUS/BA 101 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed and need alignment around BA/BUS 101 |
| Business Management          | High level, 5+ | 3-6 | TBA BA 101 (4) BA 1XX (4) BA Elective (4) BA 101 (6) TBA TBA BUS 101 (3) BA Elective (4) BA 101A, BA 101B TBA BA Elective (4) BA 101 (6) BUS 101 (3) BA Elective (4) BA 101 (4) BA101 (4) BA LDT (4) BA Elective (4) BA Elective (4) TBA BA 101 (4) BA 101 (4) BA 101 (3)   | BUS/BA 101 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed and need alignment around BA/BUS 101 |
| Math analysis and approaches | Standard 4     | 4-5 | 4 TBA MTH 111, 112 (8) TBA MTH 111, 112 (10) TBA TBA TBA MTH 111, 112 (9) TBA TBA TBA MTH 111, 112 (10) MTH 112 (4) TBA MTH 111, MTH 112 (10) Mth 251(4) (additional MTH LD credits OK if needed) MTH 111 (4) MTH LDT (4) MTH 111, 112 (8) MTH 111, 112 (10) TBA MTH 111, 112 (9) 4 credits in generic MATH (counts toward BS math) TBA                             |            | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination              |
| Math analysis and approaches | Standard 5+    |     | 5 and above TBA MTH 111, 112 (8) TBA MTH 111, 112 (10) TBA TBA TBA MTH 111, 112 (9) TBA MTH 111, MTH 112 TBA MTH 111, 112 (10) MTH 112 (4) TBA MTH 111, MTH 112 (10) Mth 251(4) (additional MTH LD credits OK if needed) MTH 111, 251 (9) MTH LDT (4) MTH 111, 112 (8) MTH 111, 112 (10) TBA MTH 111, 112 (9) 4 credits in generic MATH (counts toward BS math) TBA |            | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination              |
| Math analysis and approaches | High level 4   |     | 4 TBA MTH 112, 243, 251 (12) TBA MTH 112, 243, 251 (14) TBA TBA TBA MTH 111, 112, 251 (13) TBA TBA TBA MTH 112, 243, 251 (14) MTH 251, MTH LDT (12) TBA MTH 112, MTH 243, MTH 251 (14) Mth 251(4) and Mth   |            | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination              |

|   |               |  |   |  |                          |   |
|---|---------------|--|---|--|--------------------------|---|
|   |               |  | 252(4) and 4 MTH LD(more MTH LD ok if needed) MTH 111, 112 (8) MTH LDT (8) MTH 112, 243, 251 (12) MTH 112, 243, 251 (14) TBA MTH 251, 252, 253 (13) 4 credits in generic MATH (counts toward BS math) and MATH 251 TBA  |  |                          |   |
| Math analysis and approaches                        | High level 5+ |  | 5 and above TBA MTH 112, 243, 251 (12) TBA MTH 112, 243, 251 (14) TBA TBA TBA MTH 111, 112, 251 (13) TBA MTH 112, MTH 243, MTH 251 TBA MTH 112, 243, 251 (14) MTH 251, MTH LDT (12) TBA MTH 112, MTH 243, MTH 251 (14) Mth 251(4) and Mth 252(4) and 4 MTH LD(more MTH LD ok if needed) MTH 111, 112, 243, 251 (17) MTH LDT (8) MTH 112, 243, 251 (12) MTH 112, 243, 251 (14) TBA MTH 251, 252, 253 (13) 4 credits in generic MATH (counts toward BS math) and MATH 251 TBA |  | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination |
| Mathematics: Applications and Interpretation (2021) | Standard 4    |  | 4 TBA MTH 105,111 (8) TBA MTH 105,111 (9) TBA TBA TBA MTH 105, 111 (9) TBA TBA TBA MTH 105,111 (9) MTH 105 (4) TBA MTH 105, MTH 111 (9) Mth 105(4) (additional MTH LD credits OK if needed) MTH105 (4) MTH LDT+QR (4) MTH 105,111 (8) MTH 105,111 (9) TBA MTH 105, 111 (9) 4 credits in generic MATH (counts toward BS math) TBA  |  | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination |
| Mathematics: Applications and Interpretation (2021) | Standard 5+   |  | 5 and above TBA MTH 105,111 (8) TBA MTH 105,111 (9) TBA TBA TBA MTH 105, 111 (9) TBA MTH 105, MTH 111 TBA MTH 105,111 (9) MTH 105 (4) TBA MTH 105, MTH 111 (9) Mth 105(4) (additional MTH LD credits OK if needed) MTH 105, 111 (8) MTH 105 (4) MTH 105,111 (8) MTH 105,111 (9) TBA MTH 105,111 (9) 4 credits in generic MATH (counts toward BS math) TBA   |  | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be completed to make a determination |

|   |                  |  |   |                                  |                          |  |
|---|------------------|--|---|----------------------------------|--------------------------|--|
| Mathematics:<br>Applications<br>and<br>Interpretation<br>(2021) | High<br>level 4  |  | 4 TBA MTH 105, 111, 243<br>(12) TBA MTH 105, 111, 243<br>(13) TBA TBA TBA MTH 105,<br>111, 243 (13) TBA TBA TBA<br>MTH 105, 111, 243 (14) MTH<br>111, 112 and ST 201 (12)<br>TBA MTH<br>105, MTH 111, MTH 243<br>(14) Mth 111(4) & Mth<br>112(4) & Stat 243(4)<br>(additional MTH LD<br>credits OK if MTH 111,<br>243 (8) MTH LDT+QR<br>(8) MTH 105, 111, 243<br>(12) MTH 105, 111, 243<br>(14) TBA MTH 105, 111,<br>243 (14) 4 credits in<br>generic MATH (counts<br>toward BS math) and<br>MATH 251 TBA   |                                  | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be<br>completed to<br>make a<br>determination |
| Mathematics:<br>Applications<br>and<br>Interpretation<br>(2021) | High<br>Level 5+ |  | 5 and above TBA MTH<br>105, 111, 243 (12) TBA<br>MTH 105, 111, 243 (13)<br>TBA TBA TBA MTH 105,<br>111, 243 (13) TBA MTH<br>105, MTH 111, MTH 243<br>TBA MTH 105, 111, 243<br>(14) MTH 111, 112 and ST<br>201 (12) TBA MTH 105,<br>MTH 111, MTH 243 (14)<br>Mth 111(4) & Mth 112(4) &<br>Stat 243(4) (additional<br>MTH LD credits OK if<br>MTH 111, 112, 243 (12)<br>MTH 105/243 (8) MTH<br>105, 111, 243 (12) MTH<br>105, 111, 243 (14) TBA<br>MTH 105, 111, 243 (14) 4<br>credits in generic MATH<br>(counts toward BS math)<br>and MATH 251 TBA |                                  | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be<br>completed to<br>make a<br>determination |
| Further math<br>5/20  | Standard<br>4    |  | NA  |                                  | <input type="checkbox"/> | <input type="checkbox"/>   |
| Further math<br>5/20  | Standard<br>5+   |  | NA  |                                  | <input type="checkbox"/> | <input type="checkbox"/>   |
| Further math<br>5/20  | High<br>level 4  |  | TBA MTH 251, MTH 252,<br>MTH 253 (12) TBA LD<br>elective (12) MTH 251,<br>252, 306 (12) TBA TBA<br>MTH 251, 252, 253 (12)<br>TBA MTH 251, MTH 252<br>TBA MTH 251, MTH 252,<br>MTH 253 (13) MTH 251,<br>252 (8) TBA MTH 251,<br>MTH 252, MTH 253 (13)<br>MTH 253, 261, 344 (12)<br>MTH 243, 251, 252 (14)<br>MTH LDT(8) MTH 251,<br>MTH 252, MTH 253 (12)<br>MTH 251, MTH 252,<br>MTH 253 (13) TBA MTH   | Needs to<br>meet calc<br>series, | <input type="checkbox"/> | <input checked="" type="checkbox"/><br>Need table to be<br>completed to<br>make a<br>determination |



|                                    |                  |  |   |                                 |                          |   |
|------------------------------------|------------------|--|---|---------------------------------|--------------------------|---|
|                                    |                  |  | 251, 252, 253 (13) MATH<br>251, 252, 243 (12) TBA   |                                 |                          |   |
| Further math<br>5/20               | High<br>level 5+ |  | 5 and above TBA MTH 251,<br>MTH 252, MTH 253<br>(12) MTH 112, 251, 252<br>(15) LD elective (12) MTH<br>251, 252, 306 (12) TBA<br>TBA MTH 251, 252, 253<br>(12) MTH 111, 243, 251<br>(14) MTH 251, MTH 252,<br>MTH 253 TBA MTH 251,<br>MTH 252, MTH 253 (13)<br>MTH 251, 252, 264, 265<br>(12) MATH 253, MATH<br>327, MATH 341 (12) MTH<br>251, MTH 252, MTH 253<br>(13) MTH 253, 261, 344<br>(12) MTH 243, 251, 252<br>(14) MTH 251/252(8)<br>MTH 251, MTH 252,<br>MTH 253 (12) MTH 251,<br>MTH 252, MTH 253 (13)<br>TBA MTH 251, 252, 253<br>(13) MATH 251, 252, 243<br>(12) TBA | Needs to<br>meet calc<br>series | <input type="checkbox"/> | <input checked="" type="checkbox"/><br><br>Need table to be<br>completed to<br>make a<br>determination                        |
| Mathematics<br>(last exam<br>5/20) |                  |  |   |                                 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br><br>Need table to be<br>completed to<br>make a<br>determination                        |
| Mathematics<br>(last exam<br>5/20) |                  |  |   |                                 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br><br>Need table to be<br>completed to<br>make a<br>determination                        |
| Mathematics<br>(last exam<br>5/20) |                  |  |   |                                 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br><br>Need table to be<br>completed to<br>make a<br>determination                        |
| Mathematics<br>(last exam<br>5/20) |                  |  |   |                                 | <input type="checkbox"/> | <input checked="" type="checkbox"/><br><br>Need table to be<br>completed to<br>make a<br>determination                        |
| Math Studies                       | NA               |  | Math 105 is Gen<br>ed,  |                                 |                          | While Math 105<br>is accepted as<br>general<br>education, it is<br>not a<br>requirement of<br>the Business<br>MTM and this IB |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  | subject is therefore not relevant as long as the rest of the articulations do not contain other math courses |
|--|--|--|--|--|--|--|

## Appendix H.



### Oregon Institute of Technology Business Transfer Agreement

The Business - Management major at Oregon Institute of Technology (Oregon Tech) requires six lower division courses that are not part of the Major Transfer Map (MTM):

- BUS 215 - Principles of Management (equivalent to BA 206 at community colleges) BA 223
- Principles of Marketing
- WRI 122 - Rhetoric and Composition PSY
- 201 - General Psychology
- MIS 206 - Introduction to Management Information Systems MIS
- 113 or MIS 275 - Database Fundamentals

Oregon Tech also requires an upper division statistics course (MATH 361, equivalent to MTH 243 + MTH 244). The MTM currently includes MTH 243 but not MTH 244.

Oregon Tech differs from other Oregon public universities in three other important ways:

1. Students are not required to complete all lower division courses during their first two years.
2. Oregon Tech historically has offered an “inverted curriculum” in which students declare their major upon admission to the university and start taking courses in their major in their freshman year.
3. Students admitted to Oregon Tech do not need to apply separately for admission to any of the majors in the Business Management department. They declare their major as part of their general admission application. As such, Oregon Tech has freshman and sophomore Business - Management majors.

To enable better alignment with the MTM, Oregon Tech will be proposing the following curriculum changes:

1. The university is planning to change its speech and writing general education offerings (in a move not related to the MTM but relevant to it). The change includes moving WRI 121, WRI 122, WRI 227 and SPE 111 from 3 credits to 4 credits. All students will take WRI 121 and SPE 111 and will choose between WRI 122 and WRI 227. Once this change is approved by the curriculum committee, Oregon Tech will drop WRI 122 from the Business - Management major and retain WRI 227 which will be a perfect alignment with the MTM.
2. The Business - Management major currently requires only one lab science course to meet the university general education requirement. To align with the Core Transfer Map (CTM), Oregon Tech will propose changing its MATH 371 - Finite Math and Calculus course to a “math/science elective” which will align with the CTM and still meet general education requirements.
3. The Business - Management major requires MATH 361 as its statistics courses because it includes regression analysis (which is absent from MTH 243). The remaining content in MTH 243 is sufficient statistics preparation. Oregon Tech will propose changing its MATH 361 requirement to “MATH 243 or MATH 361” to align with the MTM. The Department faculty will develop a module on regression analysis to be included in the Canvas shells of subsequent courses that expect students to enter with a knowledge of regression. This includes MIS 334 - Business Analytics which is required in the major. Students will be able to learn the material from this module if they take MTH 243 or use it as a

refresher if they take MATH 361. This will not add a course or any credits to the degree, simply enriched content in existing courses.

- The Business - Management major does not require BA 101 or BA 212 but it does require students to complete 18 credits of business electives chosen from a list of specified courses. To align with the MTM, Oregon Tech will propose adding BUS 101 and ACC 202 (Oregon Tech's equivalents of BA 101 and BA 212) to its list of accepted business electives.
- The PSY 201 requirement will be replaced by a generic psychology elective to be less prescriptive. This will enable students to take any psychology course as part of their MTM electives.

To enable MTM completers to take appropriate junior level courses, Oregon Tech is committed to working with the community college academic advisors to encourage students to take BA 206, BA 223, and a general psychology course.

Oregon Tech will propose an altered curriculum map for MTM completers that will enable them to enter as juniors in their major and complete their Business - Management degree in two years. The current curriculum map will be retained for students who enter without the MTM, allowing two different paths to completion. The table below shows the current map and the proposed parallel track for MTM completers. Courses shown in green would be completed by the MTM core requirements. Courses in blue are community college courses that could be taken as MTM electives. Courses in yellow and rose are realignments of the current map that reflect courses normally taken in freshman and sophomore year that would be moved to junior or senior year or replaced by MTM elective choices. Note that the Business - Management degree requires 18 credits of general electives (any college level course will apply) and 18 credits of business electives to be chosen from a list provided by the Department.

| Current degree plan |         | Plan for MTM student |    |
|---------------------|---------|----------------------|----|
| Freshman            | credits | Freshman             |    |
| BUS 215             | 3       | BA 206               | 3  |
| MATH 111            | 4       | MTH 111              | 4  |
| PSY 201             | 3       | PSY 201              | 3  |
| WRI 121             | 4       | WR 121               | 4  |
| lab sci             | 4       | lab sci              | 4  |
| BUS 223             | 3       | BA 223               | 3  |
| ECO 201             | 3       | ECON 201             | 3  |
| MIS 102             | 1       | MIS 102              | 1  |
| SPE 111             | 4       | COMM 111             | 4  |
| Elective            | 3       | Elective credits     | 3  |
| ECO 202             | 3       | ECON 202             | 3  |
| MIS 206             | 3       | Comm elect           | 3  |
| SPE 321             | 3       | COMM 215/219         | 3  |
| WRI 227             | 3       | WR 227               | 3  |
| Hum elect           | 4       | Hum elect            | 4  |
|                     | 3       |                      | 3  |
|                     | 48      |                      | 48 |
| Sophomore           |         | Sophomore            |    |
| ACC 201             | 4       | BA 211               | 4  |
| MATH 361            | 4       | MTH 243              | 4  |
| MIS 113             | 3       | Elective credits     | 3  |
| Hum elect           | 3       | Hum elect            | 3  |
| BUS 226             | 3       | BA 226               | 3  |
| BUS 349             | 3       | Elective credits     | 3  |
| MATH 371            | 4       | lab science          | 4  |

|            |    |                  |    |
|------------|----|------------------|----|
| PHIL 331   | 3  | Elective credits | 3  |
| Prog elect | 3  | BA 101           | 3  |
| ACC 203    | 4  | BA 213           | 4  |
| BUS 456    | 3  | Elective credits | 3  |
| MIS 375    | 3  | PSY 347/BA 285   | 3  |
| Elective   | 3  | Elective credits | 3  |
| Prog elect | 3  |                  |    |
|            | 46 |                  | 43 |

|            |    |            |    |
|------------|----|------------|----|
| Junior     |    | Junior     |    |
| BUS 467    | 3  | BUS 467    | 3  |
| GIS 207    | 1  | GIS 207    | 1  |
| MGT 321    | 3  | MGT 321    | 3  |
| MGT 421    | 3  | MGT 421    | 3  |
| Prog elect | 3  | MIS 113    | 3  |
| ACC 325    | 4  | ACC 325    | 4  |
| BUS 307    | 3  | BUS 307    | 3  |
| BUS 356    | 4  | BUS 356    | 4  |
| MIS 334    | 4  | MIS 334    | 4  |
| Comm elect | 3  | BUS 349    | 3  |
| BUS 390    | 3  | BUS 390    | 3  |
| MGT 335    | 3  | MGT 335    | 3  |
| Elective   | 3  | MIS 206    | 3  |
| Elective   | 3  | BUS 456    | 3  |
| Prog elect | 3  | Prog elect | 3  |
|            | 46 |            | 46 |

|            |    |            |    |
|------------|----|------------|----|
| Senior     |    | Senior     |    |
| BUS 308    | 3  | BUS 308    | 3  |
| BUS 441    | 3  | BUS 441    | 3  |
| BUS 457    | 3  | BUS 457    | 3  |
| BUS 495    | 3  | BUS 495    | 3  |
| BUS 461    | 3  | BUS 461    | 3  |
| ANTH 452   | 3  | ANTH 452   | 3  |
| BUS 496    | 3  | BUS 496    | 3  |
| PSY 347    | 3  | PHIL 331   | 3  |
| Elective   | 3  | Prog elect | 3  |
| Prog elect | 3  | Prog elect | 3  |
| BUS 478    | 3  | BUS 478    | 3  |
| BUS 497    | 3  | BUS 497    | 3  |
| Elective   | 3  | MIS 375    | 3  |
| Prog elect | 3  | Prog elect | 3  |
|            | 42 | Prog elect | 45 |