

PCC Dual Credit

Earn College Credit While in High School

2013-2014 Annual Report



**Portland
Community
College**

PCC MISSION STATEMENT

Portland Community College advances the region's long-term vitality by delivering accessible, quality education to support the academic, professional, and personal development of the diverse students and communities we serve.

The college focuses on the core themes of:

- Access and diversity.
- Student success.
- Quality education.
- Economic development and sustainability to fulfill this mission.

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STAY CONNECTED

Website: <http://www.pcc.edu/dualcredit>



For deadline reminders, events and photos, join us on
Facebook and Twitter! Search for PCC Dual Credit.

PCC DUAL CREDIT-WHAT IS IT?

The PCC Dual Credit program provides the opportunity for high school students to earn college credit while still in high school. Students who complete articulated courses taught at their high school by qualified high school faculty providing the same rigor and content as an on-campus college class are eligible to receive PCC credit.

High school faculty must have the same minimum qualifications that are required for on-campus faculty. Articulated courses must provide the same content, course materials and outcomes as a PCC course, and be assessed regularly by a member of the PCC Faculty. When these requirements are met, the course is considered “articulated” with a PCC course and students can earn college credit.

Students can earn PCC credit in:

- University Transfer courses that count toward a bachelor’s degree in subject areas such as Literature, Biology, Health, History, Math and Music.
- Career & Technical Education courses which lead to an associate degree or certificate in programs such as Automotive Service Technology, Computer Applications Systems, Early Education and Family Studies, Welding, and Management and Supervisory Development.

During 2013-14, there were 603 “articulated” Portland Community College courses taught at 49 area high schools by approximately 165 approved high school faculty. These articulated courses provided 5,268 students the opportunity to transition smoothly to the next level of college courses following their high school graduation.

BENEFITS TO STUDENTS

- Enhances ability and skills to do college level work and gain confidence for college success.
- Saves money by receiving free college credit and shortening the amount of time after high school to complete a college degree.
- PCC credits are transferable to all college/universities within the Oregon University System and many other institutions .
- Students entering the military may earn higher rank with earned college credit.
- Provides access to PCC student support services such as PCC Student ID Cards, use of PCC’s Library and online Tutoring Services.
- Research shows Dual Credit students are more likely to finish college and earn more credits by the second year of college.

BENEFITS TO HIGH SCHOOLS & PCC

- Brings PCC and high school administrators and faculty together to develop curriculum, share instructional methods, ideas and experiences that benefit students
- Coordinated curriculum reduces redundancy of courses between high school and college and increases rigor of classes
- Meets the goals of new achievement compacts for students to earn credit for three college classes before graduation

INSTRUCTOR QUALIFICATIONS

All classes offered for PCC Dual Credit must be taught by faculty who meet the minimum qualifications required for each subject area. Below, are general guidelines of what expectations a high school faculty must meet based on the type of class offered.

CAREER & TECHNICAL EDUCATION (CTE) FACULTY

There are six ways to qualify, ranging from having a master's degree in the subject area and three years recent full time industry experience to an associate degree and five years recent full time industry experience. Listed below are the different criteria (any one of them) in general that a CTE faculty would need to qualify. For specific PCC Instructor Qualifications, visit www.pcc.edu/resources/academic/instructor-qualifications/index.html.

- Master's degree in subject area and three years of recent full time, non-teaching experience in the field
- Master's degree in related area plus 30 quarter hours graduate credit in upper division coursework in subject area, and three years of recent full time, non-teaching experience in the field
- Bachelor's degree in subject area and four years of recent full time, non-teaching work experience in the field
- Bachelor's degree in related area plus 30 quarter hours graduate credit in upper division coursework in subject area, and four years of recent full time, non-teaching experience in the field
- AAS degree in subject area or professional education plus five years of recent full time, non-teaching work experience in the field
- Demonstrated competency and/or qualifications set by licensing organizations in the field

UNIVERSITY TRANSFER (UT) FACULTY

In order to articulate courses through the PCC Dual Credit program, high school faculty must meet the same Instructor Qualifications as on-campus faculty. Listed below are the different criteria (any one of them) a University Transfer faculty would need to qualify. For specific PCC Instructor Qualifications visit www.pcc.edu/resources/academic/instructor-qualifications/index.html.

- Master's degree in subject area
- Master's degree in related area plus 30 quarter hours graduate credit in subject area
- Demonstrated competency in field

High school faculty must provide the PCC Dual Credit program office with a copy of their college transcripts and current detailed Curriculum Vitae (CV) or resume. Career & Technical Education faculty should also include a detailed work history of related industry experience. Note: web transcripts are not acceptable.

High school faculty who are interested in becoming approved to offer PCC Dual Credit for their classes should send a current resume (or CV) and transcripts to: PCC Dual Credit at P.O. Box 19000, Portland Oregon 97280-0990 or by fax to 971-722-7805.

COURSE APPROVAL

All PCC courses must have a syllabus on record for each class taught. PCC Dual Credit classes are required to provide a syllabus to their students and to have one on file with the PCC Dual Credit office no later than October 1st of every school year. The following items must be included in a PCC Dual Credit syllabus.

- ☐ High school name and address, faculty name, office location, office hours, phone number and extension, and email address.
- ☐ High school course title and equivalent articulated PCC course title and number (example: Advanced Senior English, PCC WR 121-English Composition). Note overall contact/instructional hours for your course (must meet minimum stated on PCC's Course Content and Outcome Guides at www.pcc.edu/ccog).
- ☐ Current academic year: include link to PCC Dual Credit website for Academic Calendar deadlines and/or reference PCC Dual Credit Student Handbook.
- ☐ Course description and course outcomes from PCC's CCOG at www.pcc.edu/ccog.
- ☐ High school course prerequisites, if any.
- ☐ Instructional materials (e.g. textbooks, supplies, equipment).
- ☐ Grading criteria: clearly note if there are additional curriculum requirements for college credit. (Please include a grading summary, including each assignment or task's percentage of total grade. Break down how many points are allocated to tests, essays, class participation, attendance and specific assignments for the course) Note: for PCC Dual Credit grade calculations, students will not be allowed to retake examinations.
- ☐ PCC Grading Guidelines statement: include the following *"For specific information related to PCC grading guidelines, please refer to the PCC Dual Credit Student Handbook accessible through your high school faculty and located at www.pcc.edu/dualcredit. Information related to Add/Drop/Withdraw deadlines is also detailed in the Student Handbook."*
- ☐ Attendance and make-up policies.
- ☐ Code of Student Conduct: *reference your district policy and PCC's Policy at www.pcc.edu/about/policy/student-rights/student-rights.pdf#code-of-student-conduct.*
- ☐ Flexibility statement: *The faculty reserves the right to modify course content and/or substitute assignments and learning activities in response to institutional, weather or class situations.*
- ☐ Schedule of Learning Activities: schedule of textbook readings, assignments, tests, projects, etc.

In addition to the above required items, it is suggested that faculty include the following:

1. Faculty classroom website(s) and links to PCC's website at www.pcc.edu and PCC Dual Credit's at www.pcc.edu/dualcredit.
2. On-Campus Resources (e.g. Online Tutoring, Library, My GRADPlan and MyPCC)
3. Academic Integrity statement: *Dishonest activities such as cheating on exams and submitting or copying work done by others will result in disciplinary actions including but not limited to a failing grade. See PCC's Academic Integrity Policy at www.pcc.edu/about/policy/student-rights/student-rights.pdf#academic-integrity.*
4. Equal Opportunity statement: see PCC's at www.pcc.edu/about/affirmative-action/EOstatement.html.

ARTICULATION AGREEMENTS

Once a faculty and course(s) are approved, the PCC Dual Credit office creates an Articulation Agreement to be signed by PCC and the high school. The agreement states the responsibilities of both the high school and the college and is signed by the high school faculty and principal, the college Faculty Liaison, Division Dean, PCC Dual Credit Coordinator, and Vice President of Academic & Student Affairs.

Newly approved Dual Credit faculty will have a 1-Year Articulation Agreement for Initial Approval. This initial articulation agreement will be for the current school year. If, after the initial school year there are no changes to the agreement and the course meets college expectations, then a 3-year Renewal Articulation Agreement will be signed.

A sample of the PCC Dual Credit Articulation Agreement is provided below, which details the roles and responsibilities of each partner.

COURSE ASSESSMENTS

PURPOSE OF COURSE ASSESSMENTS

Oregon developed the Dual Credit Standards to assure the quality of, and consistency between instruction of Dual Credit offerings at colleges and universities throughout the state. The PCC Dual Credit program received approval in 2011. Part of that approval is dependent upon ongoing, regular assessment of courses. The assessment section, A2, of the Oregon Dual Credit Standards (see page 8) states, ***“Every section of a (previously approved) course offered through Dual Credit is regularly reviewed by faculty from that discipline and Dual Credit staff to assure that grading standards meet or exceed those in on-campus sections.”***

High school and PCC faculty involvement in this process is not only necessary, it assures quality of Dual Credit programs, and develops collegial relationships. Assessments can vary from evaluation of posted syllabi on the PCC Dual Credit Spaces website, to classroom site visits, workshops or other ideas that faculty consider relevant and valid. The course assessment component of Dual Credit pledges that the course offered at the high school meets or exceeds the *rigor, pedagogy* and *outcomes* of the on-campus course.

Courses that are approved through a 1-Year Initial PCC Dual Credit Articulation Agreement must be assessed during that academic year. Courses approved with a 3-Year Renewal PCC Dual Credit Articulation Agreement are assessed at least once during the three years noted on the agreement.

*In 2013-14, PCC Dual Credit involved
19 school districts, 49 high schools,
165 articulating faculty members, 202 articulation agreements,
and 51 PCC program areas.*

OREGON DUAL CREDIT STANDARDS

Oregon's Dual Credit programs create the opportunity for students to take college-level courses while still in high school. The Oregon Dual Credit Task Force found that, in 2005-06, one in seven Oregon juniors and seniors took advantage of this opportunity, saving approximately \$9 million in tuition. Through its pilot analysis of the subsequent academic performance of these students, the Task Force also found that "in most cases, Dual Credit students match or outperform their college-prepared counterparts in both community college and university settings."

Thus, Dual Credit is currently a viable option for qualified students to begin post secondary learning early, and it can contribute significantly to meeting Oregon's 40-40-20 goal. As Dual Credit programs grow, it is important to have a consistent set of standards and ways to ensure the standards are met. This is the impetus for adopting the Oregon Standards for Dual Credit "College Now" Programs. Guided by those standards the Task Force specifically recommends

- **Strengthening faculty connections** - including regular, collegial interactions amongst high school and college faculty and working to expand the pool of qualified high school Dual Credit faculty.
- **Adopting systematic application and review processes for Dual Credit programs** - developing a standardized application process for new programs and ensuring sustainable verification of program quality.
- **Enhancing public understanding of Dual Credit programs** - through effectively publicizing Dual Credit programs as a key path for academic acceleration.

The PCC Dual Credit program takes these recommendations to heart and uses them to guide the growth and maintenance of the program. The PCC Dual Credit office has developed marketing materials, conducted workshops and held meetings to assist faculty and create partnerships. Program Manuals and Handbooks are available for faculty and students to make sure they have the information they need to be successful. We continue to research ways to strengthen our program and to publicize the great work being done by our faculty and students. The Oregon Dual Credit Standards are listed on the next page.

STUDENT QUOTE

HOW HAS YOUR EXPERIENCE IN YOUR PCC DUAL CREDIT CLASS
PREPARED YOU FOR YOUR FUTURE COLLEGE AND CAREER PLANS?

"Having this head start has made me excited to continue on to a 4-year university. I have gotten a taste of college life and I cant wait to see where this path will take me."

- Rachel DeLeeuw, Junior at Sunset High School through
Early College High School Program

Curriculum 1 (C1)	College or university courses administered through a dual credit program are catalogued courses and approved through the regular course approval process of the sponsoring college or university. These courses have the same departmental designation, number, title, and credits as their college counterparts, and they adhere to the same course descriptions.
Curriculum 2 (C2)	College or university courses administered through a dual credit program are recorded on the official academic record for students at the sponsoring college or university.
Curriculum 3 (C3)	College or university courses administered through dual credit programs reflect the pedagogical, theoretical and philosophical orientation of the colleges' and universities' sponsoring academic departments.
Faculty 1 (F1)	Instructors teaching college or university courses through dual credit meet the academic requirements for faculty and instructors teaching in post-secondary institutions as stipulated by the respective academic departments.
Faculty 2 (F2)	The post secondary institution provides high school instructors with training and orientation in course curriculum, assessment criteria, course philosophy, and dual credit administrative requirements before certifying the instructors to teach the college/university courses.
Faculty (F3)	Instructors teaching dual credit sections are part of a continuing collegial interaction, through professional development, seminars, site visits, and ongoing communication with the post-secondary institutions' faculty and dual credit administration. This interaction addresses issues such as course content, course delivery, assessment, evaluation, and professional development in the field of study.
Students 1 (S1)	High school students enrolled in courses administered through dual credit programs are officially registered or admitted as degree-seeking, non-degree or non-matriculated students of the sponsoring post-secondary institution.
Students 2 (S2)	Post-secondary institutions outline course requirements and prerequisites.
Students 3 (S3)	High school students are provided with a student guide that outlines their responsibilities as well as guidelines for the transfer of credit.
Assessment 1 (A1)	Dual credit students are held to the same standards of achievement as those expected of students in on-campus sections.
Assessment 2 (A2)	Every section of a course offered through dual credit is regularly reviewed by faculty from that discipline and dual credit staff to assure that grading standards meet or exceed those in on-campus sections.
Assessment 3 (A3)	Dual credit students are assessed using similar methods (e.g. papers, portfolios, quizzes, labs, etc.) as their on-campus counterparts.

OREGON DUAL CREDIT SURVEYS

DO DUAL CREDIT STUDENTS CONTINUE IN POST-SECONDARY EDUCATION?

The 1,421 high school students enrolled in PCC Dual Credit courses with an anticipated graduation date of 2015 in 2012-13 were tracked for subsequent enrollment at a post-secondary institution. Findings include that:

Approximately 70% (997 students) enrolled in a college or university.

- Of these students, 256 or 25% attended PCC and 693 or 70% enrolled at a 4-year college, and 48 or 5% enrolled in a 2-year college.
- Those enrolling elsewhere were more likely to attend Oregon State University (154 students) or University of Oregon (97 students) than Portland State University (62).

Notes:

PCC Dual Credit students were identified as being enrolled in CRNs with P or A session codes. A total of 1,421 records were to the National Clearinghouse. Records were not returned for students enrolled at institutions that do not participate in the Clearinghouse or for students who have privacy blocks.

STUDENT QUOTE

HOW HAS YOUR EXPERIENCE IN YOUR PCC DUAL CREDIT CLASS PREPARED YOU FOR YOUR FUTURE COLLEGE AND CAREER PLANS?

"It is very helpful for students to be able to get a head start on their higher education through dual credit. Knowing that one's work will go towards college credit is motivating."

-Mercer Hanau, Sophomore at Wilson High School

DO HIGH SCHOOL STUDENTS WHO TAKE DUAL CREDIT COURSES SUCCEED WHEN THEY GO ON TO COLLEGE?

An array of evidence from the Oregon University System (OUS) Office of Institutional Research, working with the Office of Community College and Workforce Development (CCWD) says that dual credit students do succeed:

- *Dual Credit students have a higher college participation rate than high school graduates overall.* Of Oregon's Dual Credit seniors in 2007-08, 81.4% continued to some form of post-secondary education by the following winter, compared to 72.6% of Oregon's high school graduating class of 2005, the last year statewide participation rates were available.
- *Dual Credit students who go on to college continue to the second year at a higher rate than freshmen who enter college without having earned Dual Credit.* Within the cohort of freshmen who entered OUS in fall 2008, 87.0% of those who took Dual Credit in 2007-08 continued to the second year of college, compared to 79.9% of those who did not. The correlation between Dual Credit enrollment and freshman persistence exists even after controlling for academic strength and other predictive influences on student advancement.
- *Among freshmen who continue to the second year of college, Dual Credit participants earn a higher first year GPA.* For the population of freshmen entering OUS in 2008-09 and returning the following year, those who took high school Dual Credit in 2007-08 completed the first year of college with an average GPA of 3.13, compared to 2.97 for those who did not take Dual Credit.
- *Students who continue to the second year of college accumulate more college credit if they take Dual Credit in high school.* In 2008-09, among freshmen new to OUS who returned the following year, Dual Credit and non-Dual Credit students alike completed an average of 44 credits. But Dual Credit students amassed far more cumulative credit. By the start of the second fall, they had accumulated 61.3 college credits, more by almost a full term's worth than the 49.8 credits accumulated by their classmates who took no Dual Credit in high school.

The short answer to the question is yes.

The 2010 Follow-up Study of Dual Credit in Oregon identifies a number of core University Transfer sequences—in Writing, Math, and Spanish—where success in the final course of the sequence can be presumed to depend on knowledge gained in the prerequisite. When Dual Credit students who take the prerequisite in high school and the final course in college are compared to their college classmates who take the entire sequence in college, it turns out they pass the final course in proportions that are substantially equivalent to those of their college prepared classmates. It follows that Dual Credit high school instruction must have done as good a job as college-situated instruction in readying students for the final course of the sequence.

"Students taking CG 100 (College Success and Survival) and CG 140 (Career and Life Planning) through Dual Credit develop a vision for their lives and embark on a journey to create the lives they want to live."

-Jim Lekas, Early College High School PCC Dual Credit Faculty

OREGON ACHIEVEMENT COMPACTS

OREGON ACHIEVEMENT COMPACTS

The Oregon Achievement Compacts are a set of education goals established for Oregon and were developed under the leadership of Oregon Governor John Kitzhaber and the Oregon Education Investment Board (OEIB). Dual credit programs help schools meet the goals of the compacts in the “College and Career Ready” component. This section requires that all high school students graduate high school completing at least three college courses.

High school Dual Credit students earn PCC credit at no financial cost to them or their high school. They develop the college readiness skills needed to transition to college to earn a degree or certificate. In Career and Technical Education (CTE) courses, students develop technical and work readiness skills that prepare them for a career as well as further education. Additionally, articulated coursework raises the level of rigor of the high school experience.

40-40-20

The goal that Oregon becomes a universally well-educated state is defined in Senate Bill 253 (2011), which defines the state’s goals for high school and completion by 2025 to be:

- 40% of adult Oregonians have earned a bachelor’s degree or higher;
- 40% of adult Oregonians have earned an associate degree or post-secondary credential as their highest level of educational achievement; and
- The remaining 20% or less of all adult Oregonians have earned a high school diploma, an extended or modified high school diploma, or the equivalent of a high school diploma as their highest level achievement.

In 2013-14, 1,909 students who registered for PCC Dual Credit earned 9 or more PCC college credits through the PCC Dual Credit program.

CREATING PARTNERSHIPS

PCC Dual Credit strives to create partnerships between the community college and high school faculty. During our annual Articulation Connection Meetings we ask our participants, “What can we (the Dual Credit program) do for you?” This past year we had several excellent requests come forward from the high school and PCC faculty. Below is a brief overview of a few of the events that were coordinated.

- **Anatomy in Clay Learning System Workshop**—The PCC Dual Credit Program hosted a two-day workshop on September 27 and 28, 2013 for area high school and PCC faculty to learn how to use the models and clay in their classrooms. Students who sculpt body systems develop an indelible understanding of anatomy, biomechanics, and the structures we share. The Anatomy in Clay Learning System provides human and animal learning systems that build confidence and mastery of form and function. Approximately 20 CTE Health Occupations and Dual Credit faculty attended a two day workshop where they experienced building human anatomy using clay and specially designed skeletal models. Attendees explored anatomy from the inside out and learned how to implement the Anatomy in Clay Learning System into their own curriculum. It has been a successful year and plans are underway to plan a follow-up training during the 2014-15 school year.
- **2013-14 Fall Orientation**— The Fall Orientation was an opportunity for the PCC Dual Credit office to provide annual updates on program policy, processes and procedures and to participating high school faculty, counselors and high school administration, and PCC Faculty Liaisons and administrators. The agenda included a General Session followed by a handful of breakout sessions and partnership planning time by subject area. There were 137 attendees. The Fall Orientation provided a forum for high school Dual Credit faculty to be a part of continuing collegial interactions.
- **Articulation Connections Meetings**— These meetings brought together PCC leadership and faculty, and high school faculty with a goal to strengthen partnerships and improve programs. Meetings focus on topics including the Oregon Dual Credit Standards, course content, course delivery, assessment, evaluation and professional development opportunities in the field of study.
- **2nd Annual PCC Dual Credit History Summit**— On Saturday, May 17, 2014, approximately 200 high school Dual Credit History students participated in this day long event focusing on the Civil Rights Movement. Students experienced a live College Bowl competition between Tigard and Liberty high schools. Breakout sessions included, “The Trials of Medgar Evers”; “Gay Civil Rights in the U.S.”; “Native American Activism and the Red Power Movement”; “Preach for Peace: A Freedom Rider’s Journey”; “The Real Story Behind the Montgomery Bus Boycott”; and “‘Bra Burners’ and ‘Feminazi’s’: Who Were the 1960s/1970s Feminists and What Did They Want?”.



Liberty and Tigard High School History students compete in the May 2014 Civil Rights Movement—History College Bowl, officiated by Jim Westwood, former PSU team Captain, 1964.

- **CTE Awards Ceremony**—the PACTEC and PCC Dual Credit programs honored 71 high school CTE and Dual Credit students who excelled in their high school programs of study. The event's keynote address was given by Oregon's Chief Education Officer, Nancy Golden. Also in attendance were PCC President Jeremy Brown, Vice President of Academic and Student Affairs, Chris Chairsell, and several other campus dignitaries as well as many high school CTE faculty. Of particular honor was the acknowledgement of two outstanding students from Sherwood High School who earned more than 30 college credits each through the PCC Dual Credit program.



Pictured: (left to right) Nancy Golden, Oregon Chief Education Officer; Jeremy Brown, PCC District President; Sandra Fowler-Hill, Rock Creek Campus President; Chris Chairsell, Vice President of Academic Services; Kendra Cawley, PCC Dean of Academic Affairs.

- **Welding Instructor Institute**—PACTEC and PCC's Welding department planned and led an intensive four day High School Welding Instructor Institute covering the major welding processes used in industry. Eight high school Dual Credit faculty attended. Attendees were also industry certified in FCAW 3G/4G.

PROFESSIONAL CONFERENCE AND INDUSTRY CERTIFICATION REIMBURSEMENT

The PCC Dual Credit offers financial support for high school faculty to attend conferences, workshops, certification renewals, and other professional development opportunities related to their articulated Dual Credit courses. For more information check the PCC Dual Credit website at www.pcc.edu/dualcredit.

PCC DUAL CREDIT FACULTY TUITION REIMBURSEMENT

Articulating high school faculty are eligible for tuition reimbursement for coursework taken at Portland Community College. Only PCC credit courses taken at PCC in the faculty's subject area are reimbursable (prior approval is required). Contact the PCC Dual Credit office at 971-722-7737 or dualcredit@pcc.edu.



Pictured: (back row, left to right) Greg Kilbourne, Scappoose HS; Scott Judy, PCC; Liberty Olson, PCC; Daniel Evonuk, Newberg HS; Chip Ford, McMinnville HS; Bonnie Adams, St. Helens HS; (front row, left to right) Paul Reetz, Alliance HS; Allison Meadows, Sherwood HS; Jami Duyck, Forest Grove HS; Kori Dundas, Hillsboro HS.

HIGHLIGHTS FOR 2013-14

In addition to the work we have done to provide quality professional development and strengthening partnerships we have also worked to increase our pool of high school Dual Credit faculty. We were able to gain approval of 41 new teachers. These new teachers have articulated 88 new classes this year.

Our team of approved PCC Dual Credit High School Faculty and our PCC Faculty who support the high school programs continue to serve the community with outstanding educational opportunities.

41 NEW HIGH SCHOOL FACULTY MEMBERS APPROVED

HIGH SCHOOL	FACULTY	PCC COURSE(S)
ACE Academy	Randy Scott	MCH 291, 292
Aloha	Sara Trakselis	ESR 171
Beaverton SD Options	Chip Halverson	MP 111
Benson	Cathy Skach	MM 230, 260
Catalyst	Jenn Edgar	CG 101, 102
Central Catholic	Angela Bergmann	SPA 270A, 271A, 272A, 290A, 291A, 292A
Central Catholic	Pamela Boardman	MTH 243
Central Catholic	Liz Danek	WR 121
Central Catholic	Linda Loughran	ART 140A
Central Catholic	Christopher McLean	MUS 220A, 220B, 220C, 220D, 220E, 220F
Central Catholic	Tom Rhody	WR 121, ENG 104, 106
Central Catholic	Leah Taylor	BI 141, 164
Central Catholic	Taren Taylor	WR 121
Central Catholic	Arin Wallenius	ENG 104, 106
Central Catholic	Aric Ward	R 210
Forest Grove	Annette Faris	MTH 111, 112
Franklin	Dan Silvernail	BCT 104, 106
Grant	Russell Peterson	HST 275, 276
Grant	Keri Pilgrim	BI 121, 122, 141, 164
Grant	Mona Schraer	CAS 170A, 170
Grant	Tracy Wisher	SPA 201, 202, 203
Hillsboro	Tamara Miller	FR 101, 102, 103

HIGH SCHOOL	FACULTY	PCC COURSE(S)
Jefferson	Dan Coffey	RD 115
Jefferson	Amy Wright	RD 115
Lakeridge	Jennifer Brazier	CH 221
Lakeridge	Sarah Mock	GS 108
Lakeridge	Joanna Stein	WR 122
Liberty	Tom Lillegard	FP 101, 133, 201, 280B
Liberty	Janet Van Wess	TA 141
Madison	Nancy Sullivan	ED 109
Newberg	Francisco Benetti	SPA 101
North Salem	Dean Mattson	BCT 106, 216, 217, 218
Portland YouthBuilders	Alec Meadows	BCT 104, 106, 120, 121
Roosevelt	Barbara Macon	CAS 109, 121A, 170, 216
Sherwood	Heather Raddatz	MTH 111, 112, 251, 252, 253
Southridge	Dan Velasquez	CAS 106, 111D, CIS 133J
St. Helens	Alison Prehn	LAT 106
Sunset	Jeff Smith	CAS 121
Westview	Lisa Weisenfluh	ECE 120, 132
Wilson	Christopher Bartlo	CS 161
Wilson	Keith Higbee	J 103

29 ARTICULATING FACULTY ADDED 74 NEW COURSES

HIGH SCHOOL	FACULTY	PCC COURSE(S)
Arts & Communication Magnet Academy	Felice Moskowitz	D 130A, 130B, 131A, 131B, 190A, 190B, 191A, 191B, 230A, 230B, 290A, 290B
Arts & Communication Magnet Academy	Julane Stites	D 130A, 130B, 131A, 131B, 190A, 190B, 191A, 191B, 230A, 230B, 290A, 290B
Bank	Tim Eggleston	LAT 106
Beaverton	Kathryn Robinson	CAS 110, 208, 220, 232; MSD 180A, 279
Beaverton	Paul Webb	CAS 110, 208, 232
Beaverton SD Options	Kathleen Newell	MP 111
Beaverton SD Options	Paula Jacobs	MP 111
Beaverton SD Options	Matt Bayha	MP 111
Beaverton SD Options	Andrea Ellis	MP 111
Benson	Tim Hryciw	ELT 110, 125

HIGH SCHOOL	FACULTY	PCC COURSE(S)
Canby	Darren Monen	BCT 100
Century	Tim Morley	MCH 293, 294
Clark County Skills Center	Tony Shaver	CJA 100
Early College	Megan Broke	CG 102
Early College	Maggie (Helen) Brown	CG 102
Early College	James Lekas	CG 102
Forest Grove	Ben Crabtree	BI 102
Forest Grove	Theresa Broeren	CAS 121, 170A
Glencoe	Ron Romanick	MP 111
Glencoe	Rob Brauer	WLD 262
Jefferson	Steve Gonzales	D 130A, 130B, 131A, 190A, 190B, 191A, 191B, 230A, 230B, 290A, 290B
Lakeridge	William Campbell	MUS 221A
Liberty	Adam Mahlum	HST 218, 240
Life Christian	Holly Neill	ESR 171
Rosemary Anderson	Allison deFreese	ENG 213
Sherwood	Lance Thurman	BI 101, 102, 103
Sherwood	Elizabeth Barrett	CAS 133
Sunset	Nicole Taylo	BA 223
Westview	Brian Gerber	BCT 106

TOP 5 ARTICULATING HIGH SCHOOLS

TOTAL CREDITS		
1.	Sherwood	4,464
2.	Tigard	3,220
3.	Grant	2,516
4.	Liberty	2,335
5.	Central Catholic	1,781

UNDUPLICATED STUDENTS		
1.	Sherwood	482
2.	Grant	288
3.	Tigard	287
4.	Central Catholic	275
5.	Franklin and Liberty	267

TOP 5 ARTICULATING FACULTY

TOTAL CREDITS		
1.	Dave Unis	1,448
2.	Amy Lindahl	1,264
3.	Murray Carlisle	1,028
4.	Kathryn Robinson	920
5.	Murray Carlisle	908

DUPLICATED STUDENTS		
1.	Theresa Hawkins	366
2.	Dave Unis	362
3.	Kathryn Robinson	345
4.	Adam Mahlum	329
5.	Amy Lindahl	316

SAVINGS AND DIRECT COST TO STUDENTS

SCHOOL	UNDUPLICATED STUDENTS*	TOTAL CREDITS	COST	SAVINGS
ACE Academy	20	20	FREE	\$1,760
Alliance at Meek	2	15	FREE	\$1,320
Aloha	174	1,199	FREE	\$105,512
ACMA	0	0	FREE	\$0
Banks	42	332	FREE	\$29,216
Beaverton	243	1,362	FREE	\$119,856
BSD Options Program	132	576	FREE	\$50,688
Benson	69	802	FREE	\$70,576
Canby	56	168	FREE	\$14,784
Catalyst	12	12	FREE	\$1,056
Central Catholic	275	1,781	FREE	\$156,728
Century	89	343.5	FREE	\$30,228
Clark County Skills Center	55	297	FREE	\$26,136
Early College	230	669	FREE	\$58,872
Forest Grove	236	1,675	FREE	\$147,400
Franklin	267	1,486	FREE	\$130,768
Gaston	37	143	FREE	\$12,584
Glencoe	321	1,426.5	FREE	\$125,532
Grant	288	2,516	FREE	\$221,408
Hillsboro	58	219	FREE	\$19,272
Horizon Christian	24	222	FREE	\$19,536
Jefferson	115	500	FREE	\$44,000
Lake Oswego	3	12	FREE	\$1,056
Lakeridge	159	1,255	FREE	\$110,440
Liberty	267	2,337	FREE	\$205,656
Life Christian	5	20	FREE	\$1,760
Madison	126	500	FREE	\$44,000

SCHOOL	UNDUPLICATED STUDENTS*	TOTAL CREDITS	COST	SAVINGS
McMinnville	25	100	FREE	\$8,800
Merlo Station	21	81	FREE	\$7,128
Newberg	241	1,713	FREE	\$150,744
North Salem High School	112	303	FREE	\$26,664
Portland YouthBuilders	8	39	FREE	\$3,432
Rex Putnam	33	132	FREE	\$11,616
Riverdale	13	52	FREE	\$4,576
Roosevelt High School	15	60	FREE	\$5,280
Rosemary Anderson	11	93	FREE	\$8,184
Sabin-Schellenberg	62	269	FREE	\$23,672
Scappoose	2	4	FREE	\$352
Sherwood	482	4,464	FREE	\$392,832
South Albany	64	183	FREE	\$16,104
Southridge	95	356	FREE	\$31,328
St. Helens	102	448	FREE	\$39,424
Sunset	52	256	FREE	\$22,528
Tigard	287	3,220	FREE	\$283,360
Tualatin	40	200	FREE	\$17,600
Valley Catholic	12	144	FREE	\$12,672
Westview	183	620	FREE	\$54,560
Wilson	61	248	FREE	\$21,824
Wilsonville	42	130	FREE	\$11,440
Totals	5,268	33,003	FREE	\$2,904,264

*Total number of individual students who received PCC Dual Credit.

STUDENT ACHIEVEMENTS
<p>Of the 5,268 students who registered for PCC Dual Credit for 2013-14:</p> <ul style="list-style-type: none"> • 1,462 students earned, to date, between 9 and 20.5 PCC credits. • 328 students earned, to date, between 21 and 40 PCC credits. <ul style="list-style-type: none"> • 119 students earned, to date, over 41 PCC credits.

CAREER & TECHNICAL EDUCATION

There were 2,847 Career & Technical Education (CTE) high school students who earned PCC Dual Credit during the 2013-14 school year, giving them a jump start on their post-secondary education. These students earned 12,206 PCC in CTE credits.

In 2013-14, there were 21 CTE program areas and 369 courses offered for Dual Credit. The following chart details how many students and credits were awarded in the specific PCC CTE program areas.

PCC CTE PROGRAM AREA	SCHOOLS	FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS
Architectural Design & Drafting (ARCH)	8	8	101	426
Automotive Service Technology (AM)	7	7	87	636
Building Construction Technology (BCT)	11	11	455	1,518
Computer Aided Design & Drafting (DRF)	9	9	260	1,276
Computer Applications Systems (CAS)	15	20	1,002	4,071
Computer Information Systems (CIS)	1	1	9	36
Early Education & Family Studies (ECE)	8	8	221	710
Education (ED)	2	2	26	111
Electrical Trades (ELT)	1	1	0	0
Electronic Engineering Technology (EET)	1	1	0	0
Emergency Medical Services (EMS)	1	2	27	81
Fire Protection (FP)	2	4	58	385
Horticulture (HOR)	1	1	0	0
Landscape Technology (LAT)	4	4	109	426
Machine Manufacturing Technology (MCH)	7	7	161	1,033
Management & Supervisory Dev. (MSD)	2	3	61	433
Medical Professions (MP)	6	10	168	672
Microelectronics Technology (MT)	1	1	0	0
Multimedia (MM)	2	2	26	108
Office Systems (OS)	1	1	23	23
Welding (WLD)	6	6	53	261

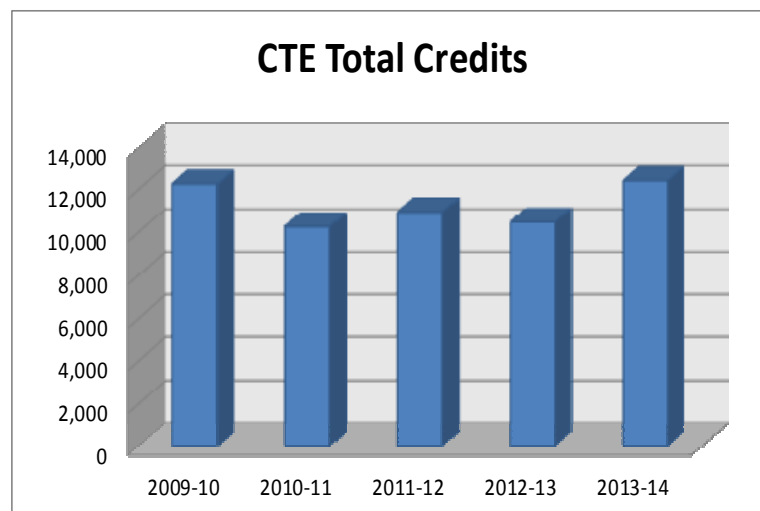
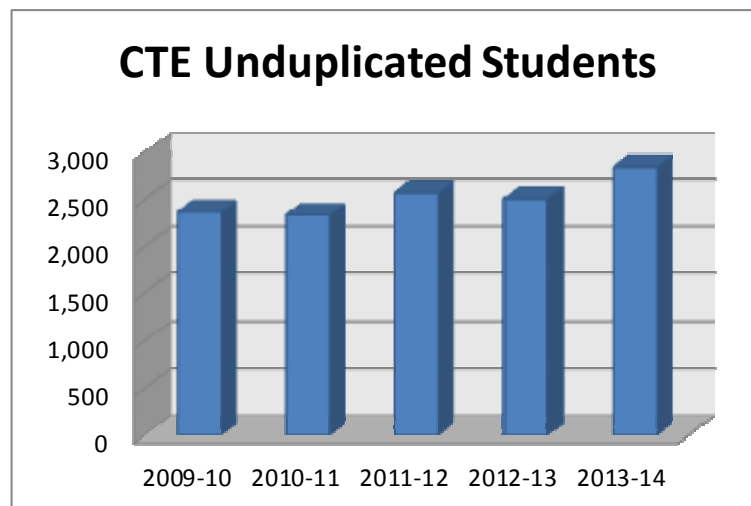
"The Dual Credit program helped my students understand the college course rigor."

- Greg Ptaszynski, Sherwood High School PCC Dual Credit Faculty

THE LAST FIVE YEARS OF CTE

SCHOOL YEAR	SCHOOLS	FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS	CREDIT VALUE
2009-10	35	100	2,365	12,242	\$930,392
2010-11	37	99	2,330	10,252	\$779,152
2011-12	35	106	2,571	10,946	\$864,734
2012-13	30	74	2,496	10,524	\$862,968
2013-14	36	86	2,847	12,206	\$1,074,128

*Total number of individual students who received PCC Dual Credit for CTE.



UNIVERSITY TRANSFER

There were 3,487 University Transfer (UT) high school students who earned PCC Dual Credit during the 2013-14 school year, giving them a jump start on their post-secondary education. These students earned 20,797 PCC in UT credits. In 2013-14, there were 30 UT program areas and 234 courses offered for Dual Credit.

The following chart details how many students and credits were awarded in specific PCC UT program areas.

PCC PROGRAM AREA	NUMBER OF HIGH	FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS
American Sign Language (ASL)	1	1	74	296
Anthropology (ATH)	1	1	56	224
Art (ART)	3	3	33	99
Biology (BI)	9	10	476	3,372
Business Administration (BA)	3	5	120	460
Chemistry (CH)	1	1	37	185
College Success & Career Guidance (CG)	4	6	264	744
Computer Science (CS)	1	1	48	192
Criminal Justice (CJA)	1	1	55	297
Crop Soil Science	0	0	0	0
Dance (D)	2	3	14	75
Economics (EC)	1	1	4	16
Engineering (ENGR)	1	1	29	29
English (ENG)	7	8	168	776
Environmental Studies (ESR)	5	5	76	304
French (FR)	1	1	3	36
General Science (GS)	2	2	18	72
German (GER)	1	1	42	300
Health (HE)	3	6	97	388
History (HST)	4	5	430	4,128
Journalism (J)	1	1	2	8
Math (MTH)	7	12	653	5,245
Music (MUS)	2	2	35	40
Physics (PHY)	1	1	59	393
Psychology (PSY)	1	1	147	624

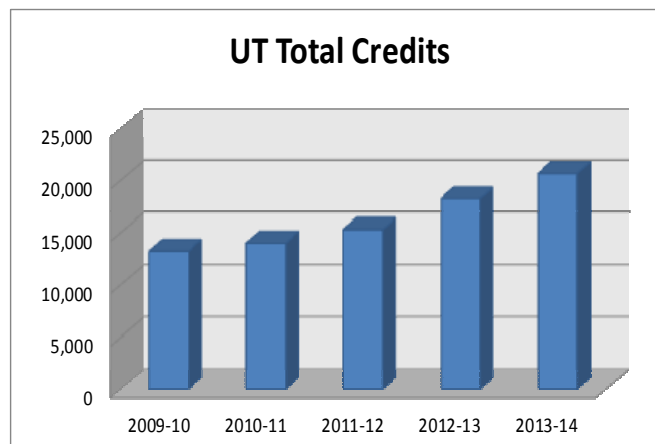
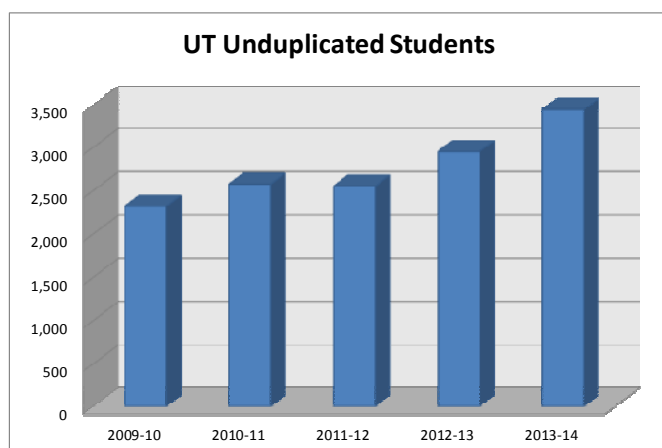
UNIVERSITY TRANSFER

PCC PROGRAM AREA	NUMBER OF HIGH	FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS
Reading (RD)	2	3	104	413
Religious Studies (R)	1	1	26	104
Spanish (SPA)	4	4	158	950
Theatre Arts (TA)	3	3	91	359
Writing (WR)	8	10	168	668

THE LAST FIVE YEARS OF UT

SCHOOL YEAR	SCHOOLS	UNDUPLICATED FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS	CREDIT VALUE
2009-10	35	72	2,319	13,248	\$1,006,848
2010-11	33	68	2,576	14,008	\$1,064,608
2011-12	31	82	2,552	15,305	\$1,209,095
2012-13	33	81	2,994	18,451	\$1,512,982
2013-14	37	95	3,487	20,797	\$1,830,136

*Total number of individual students who received PCC Dual Credit for UT.



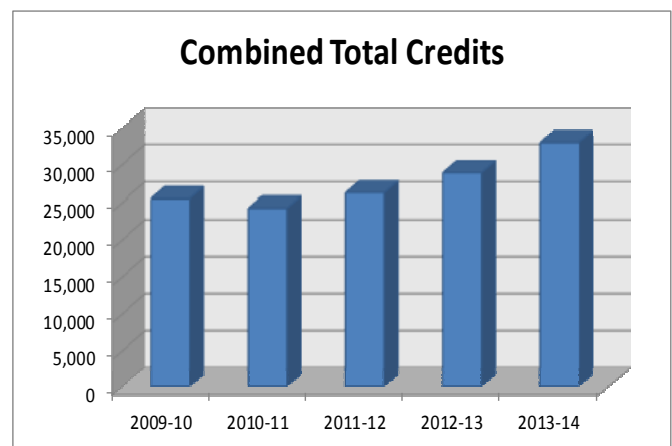
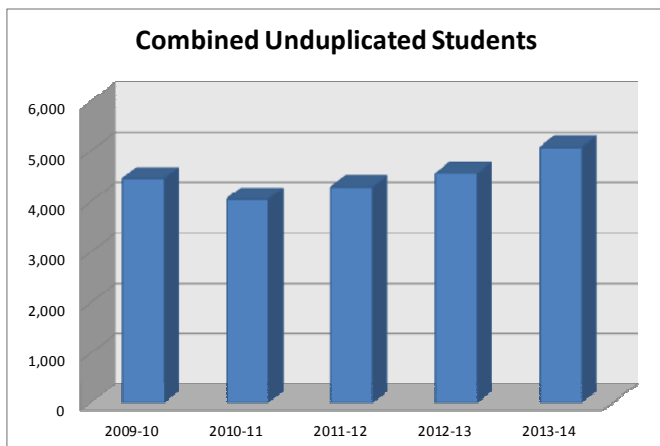
THE LAST FIVE YEARS OF DUAL CREDIT

The charts below are a five-year summary of the overall student participation in the PCC Dual Credit program (combined Career & Technical Education and University Transfer).

Currently there are 49 high schools articulating PCC Dual Credit. In 2013-14, the PCC Dual Credit program registered 5,268 students who earned 33,003 PCC credits.

As a student of the PCC Dual Credit program, students were not charged tuition or fees. This was a savings to students (and their parents) of \$2,904,264 in PCC tuition. The PCC Dual Credit program generated approximately 1,011 FTE for PCC from the state of Oregon.

SCHOOL YEAR	FACULTY	UNDUPLICATED STUDENTS*	TOTAL CREDITS	COST	SAVINGS**
2009-10	172	4,447	25,490	FREE	\$1,937,240
2010-11	167	4,042	24,260	FREE	\$1,843,760
2011-12	149	4,284	26,243	FREE	\$2,073,197
2012-13	149	4,568	28,975	FREE	\$2,375,950
2013-14	165	5,268	33,003	FREE	\$2,904,264



*Total number of individual students who received PCC Dual Credit.

**Savings to students equals the total value of credits at \$88 per credit.

ARTICULATION DETAILS

The Articulation Details section of this report describes enrollment information on articulated programs offered at each school or site. The following pages list all active articulation agreements for the 2013-14 school year, the total number of credits earned, and how many students registered for each course (represented here as duplicated students).

26	ACE Academy	59	Madison High School
27	Alliance High School at Meek Campus	60	McMinnville High School
28	Aloha High School	61	Merlo Station High School
29	Arts & Communication Magnet Academy	62	Newberg High School
30	Banks High School	64	North Salem High School
31	Beaverton High School	65	Portland YouthBuilders
33	Beaverton School District Options Program	66	Rex Putnam High School
34	Benson High School	67	Riverdale High School
36	Canby High School	68	Roosevelt High School
37	Catalyst	69	Rosemary Anderson High School
38	Central Catholic High School	70	Sabin-Schellenberg Center
40	Century High School	71	Scappoose High School
41	Clark County Skills Center	72	Sherwood High School
42	Early College High School	75	South Albany High School
43	Forest Grove High School	76	Southridge High School
45	Franklin High School	77	St. Helens High School
46	Gaston High School	78	Sunset High School
47	Glencoe High School	79	Tigard High School
49	Grant High School	80	Tualatin High School
50	Hillsboro High School	81	Valley Catholic High School
52	Horizon Christian High School	82	Westview High School
53	Jefferson High School	83	Wilson High School
54	Lake Oswego High School	84	Wilsonville High School
55	Lakeridge High School		
56	Liberty High School		
58	Life Christian School		

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)	Instructor	Duplicated Students	Total Credits
Discipline	Courses under Agreement (credits)				
		High School Course Title			

ACE Academy

Spring Term 2014

Machine Manufacturing Technology		(Industrial and Engineering)			
MCH 291	Laser Cutting and Engraving Fundamentals (1)	Engineering II	Randy Scott	20	20
MCH 292	FDM Additive Manufacturing Fundamentals Orientation (1.5)	Engineering II	Randy Scott	0	0
Summary for ACE Academy:				20	20

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Alliance High School at Meek Campus

Spring Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	AS I, Auto Orientation	John Billups	0	0
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Biology

(None)

BI 101	Biology (4)	Biology	Misty Scevola	0	0
BI 102	Biology (4)	Biology	Misty Scevola	0	0

Computer Applications and Office Systems

(Business & Management)

CAS 111D	Beginning Website Creation: Dreamweaver (3)	Arts & Communication II	Amy Taramasso	1	3
CAS 208	Beginning Photoshop for the Web (3)	Arts & Communication III	Amy Taramasso	0	0

Environmental Studies

(Natural Resource Systems)

ESR 171	Environmental Science: Biological Perspectives (4)	Environmental Science-Biological Perspective ESR 171	Misty Scevola	0	0
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Machine Manufacturing Technology

(Industrial and Engineering)

MCH 100	Machine Tool Basics (1)	Machining A	Paul Reetz	0	0
MCH 120	Machine Shop Math (2)	Machining F	Paul Reetz	0	0
MCH 135	Basic Measuring Tools (1.5)	Machining B	Paul Reetz	0	0
MCH 145	Layout Tools (1.5)	Machining F	Paul Reetz	0	0
MCH 150	Precision Measuring Tools (1.5)	Machining F	Paul Reetz	0	0
MCH 180	Turning Machines and Operations (4)	Machining B	Paul Reetz	0	0
MCH 205	Vertical Milling Machine and Operations (3.5)	Machining F	Paul Reetz	0	0
MCH 290	Mastercam Fundamentals Orientation (1)	Machining Projects	Paul Reetz	0	0
MCH 293	CNC Router Fundamentals Orientation (1)	Machining Projects	Paul Reetz	0	0

Welding

(Industrial and Engineering)

WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Welding A-B	Paul Reetz	1	4
WLD 112	SMAW: Mild Steel I (E7018) (4)	Welding C-D	Paul Reetz	1	4
WLD 113	SMAW: Mild Steel II (E7018) (4)	Welding E-F	Paul Reetz	1	4
WLD 114	SMAW: Mild Steel III (E6011) (3)	Welding G-H	Paul Reetz	0	0
WLD 131	Gas Metal Arc Welding (3)	Welding K-L	Paul Reetz	0	0
WLD 271	Oxy-acetylene Welding Projects (1)	Welding O-P	Paul Reetz	0	0

Summary for Alliance High School at Meek Campus:

4 15

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Aloha High School

Winter Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Automotive Technology I	Louise Drow	30	120
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting I/AutoCAD	Dennis Larsen	22	88
DRF 126	Introduction to AutoCAD (3)	Drafting II/Advanced AutoCAD	Dennis Larsen	23	69

Health

(Health Services)

HE 252	First Aid - Basics and Beyond (4)	First Aid Basics and Beyond	Michael Halbrook	11	44
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Spring Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 101	Introduction to Residential Design (3)	Architecture Design II	Dennis Larsen	18	54
ARCH 111	Introduction to Residential Construction Documents (3)	Architecture Design I	Dennis Larsen	21	63

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Automotive Technology I	Louise Drow	4	16
AM 151	Undercar Systems I (4)	Undercar Systems I	Louise Drow	3	12
AM 161	Electrical Systems I (4)	Automotive Technology II	Louise Drow	1	4

Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting I/AutoCAD	Dennis Larsen	43	172
DRF 126	Introduction to AutoCAD (3)	Drafting II/Advanced AutoCAD	Dennis Larsen	43	129
DRF 133	Intermediate Drafting (4)	Drafting II/Advanced AutoCAD	Dennis Larsen	16	64

Environmental Studies

(Natural Resource Systems)

ESR 171	Environmental Science: Biological Perspectives (4)	AP Environmental Science	Sara Trakselis	16	64
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German

(None)

GER 101	First Year German (4)	German 1A and 1B	Katja Freeborn	32	128
GER 102	First Year German (4)	German 2A and 2B	Katja Freeborn	32	128
GER 103	First Year German (4)	German 3A and 3B	Katja Freeborn	11	44

Summary for Aloha High School:

326 1,199

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Arts & Communication Magnet Academy

Not Offered

Dance		(Arts & Communications)			
D 130A	Modern Dance I (1)	Intermediate Dance	Felice Moskowitz	0	0
D 130A	Modern Dance I (1)	Intermediate Dance	Julane Stites	0	0
D 130B	Modern Dance I (1)	Intermediate Dance	Felice Moskowitz	0	0
D 130B	Modern Dance I (1)	Intermediate Dance	Julane Stites	0	0
D 131A	Modern Dance II (1)	Intermediate Dance	Felice Moskowitz	0	0
D 131A	Modern Dance II (1)	Intermediate Dance	Julane Stites	0	0
D 131B	Modern Dance II (1)	Advanced Dance	Felice Moskowitz	0	0
D 131B	Modern Dance II (1)	Advanced Dance	Julane Stites	0	0
D 150	Jazz Dance I (1)	Advanced Dance	Felice Moskowitz	0	0
D 150	Jazz Dance I (1)	Advanced Dance	Julane Stites	0	0
D 151	Jazz Dance II (1)	Advanced Dance	Felice Moskowitz	0	0
D 151	Jazz Dance II (1)	Advanced Dance	Julane Stites	0	0
D 190A	Ballet I (1)	Beginning Dance	Felice Moskowitz	0	0
D 190A	Ballet I (1)	Beginning Dance	Julane Stites	0	0
D 190B	Ballet I (1)	Beginning Dance	Felice Moskowitz	0	0
D 190B	Ballet I (1)	Beginning Dance	Julane Stites	0	0
D 191A	Ballet II (1)	Beginning Dance	Felice Moskowitz	0	0
D 191A	Ballet II (1)	Beginning Dance	Julane Stites	0	0
D 191B	Ballet II (1)	Intermediate Dance	Felice Moskowitz	0	0
D 191B	Ballet II (1)	Intermediate Dance	Julane Stites	0	0
D 209	Dance Performance (1)	Dance Performance	Julane Stites	0	0
D 230A	Modern Dance III (1)	Advanced Dance	Felice Moskowitz	0	0
D 230A	Modern Dance III (1)	Advanced Dance	Julane Stites	0	0
D 230B	Modern Dance III (1)	Advanced Dance	Felice Moskowitz	0	0
D 230B	Modern Dance III (1)	Advanced Dance	Julane Stites	0	0
D 252	Jazz Dance III (1)	Advanced Dance	Felice Moskowitz	0	0
D 252	Jazz Dance III (1)	Advanced Dance	Julane Stites	0	0
D 290A	Ballet III (1)	Intermediate Dance	Felice Moskowitz	0	0
D 290A	Ballet III (1)	Intermediate Dance	Julane Stites	0	0
D 290B	Ballet III (1)	Intermediate Dance	Felice Moskowitz	0	0
D 290B	Ballet III (1)	Intermediate Dance	Julane Stites	0	0

Summary for Arts & Communication Magnet Academy:	0	0
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Banks High School					
Winter Term 2014					
Biology		(None)			
BI 101	Biology (4)	Advanced AP Biology	Carol Pallett	16	64
English		(None)			
WR 121	English Composition (4)	Honors English 12	Becky Hundley	21	84
Landscape Technology		(Natural Resource Systems)			
LAT 106	Basic Horticulture (4)	Horticulture & Greenhouse Production	Tim Eggleston	0	0
Spring Term 2014					
Biology		(None)			
BI 102	Biology (4)	Advanced AP Biology	Carol Pallett	13	52
English		(None)			
ENG 104	Introduction to Literature (Fiction) (4)	Honors English 12	Becky Hundley	21	84
Landscape Technology		(Natural Resource Systems)			
LAT 106	Basic Horticulture (4)	Horticulture & Greenhouse Production	Tim Eggleston	12	48
Welding		(Industrial and Engineering)			
WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Welding II	Tim Eggleston	0	0
Summary for Banks High School:				83	332

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Beaverton High School

Winter Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 111	Introduction to Residential Construction Documents (3)	Drafting II	Paul Webb	3	9
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting I	Paul Webb	32	128
DRF 126	Introduction to AutoCAD (3)	Drafting II	Paul Webb	3	9

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications II	Paul Webb	13	13
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications I	Kathryn Robinson	54	216
CAS 170A	Beginning Excel (1)	Computer Applications II	Paul Webb	13	13
CAS 216A	Beginning Word (1)	Computer Applications II	Paul Webb	13	13

Management and Supervisory Development

(Business & Management)

MSD 101	Principles of Management and Supervision (3)	Business Leadership - The Pond	Emily Ramberg	27	81
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Spring Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 111	Introduction to Residential Construction Documents (3)	Drafting II	Paul Webb	4	12
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting I	Paul Webb	8	32
DRF 126	Introduction to AutoCAD (3)	Drafting II	Paul Webb	4	12

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications II	Paul Webb	16	16
CAS 110	Introduction to Web Graphic Using Fireworks (1)	Computer Graphics I	Kathryn Robinson	0	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications I	Kathryn Robinson	67	268
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications I	Paul Webb	18	72
CAS 170A	Beginning Excel (1)	Computer Applications II	Paul Webb	16	16
CAS 208	Beginning Photoshop for the Web (3)	Computer Graphics I	Kathryn Robinson	22	66
CAS 216A	Beginning Word (1)	Computer Applications II	Paul Webb	16	16
CAS 220	Project Management - Beginning MS Project (3)	Project Management - Beginning MS Project	Kathryn Robinson	25	75

Management and Supervisory Development

(Human Resources)

MSD 121	Leadership Skill Development (3)	Marketing Seminar	Kathryn Robinson	26	78
MSD 123	Job Search Strategies (1)	Marketing Seminar	Kathryn Robinson	26	26
MSD 160A	Communication Styles (1)	Marketing Seminar	Kathryn Robinson	26	26
MSD 174	Time Management (1)	Marketing Seminar	Kathryn Robinson	25	25
MSD 180A	Goal Setting and Productivity (1)	Sports and Event Marketing	Kathryn Robinson	26	26
MSD 194	Effective Presentation Skills (1)	Marketing Seminar	Kathryn Robinson	26	26
MSD 279	Intro to Project Management (4)	Sports and Event Marketing	Kathryn Robinson	22	88

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Beaverton High School

Not Offered

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications II	Kathryn Robinson	0	0
CAS 109	Beginning PowerPoint (1)	Computer Applications II	Emily Ramberg	0	0
CAS 110	Introduction to Web Graphic Using Fireworks (1)	Computer Graphics I	Paul Webb	0	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications I	Emily Ramberg	0	0
CAS 170A	Beginning Excel (1)	Computer Applications II	Emily Ramberg	0	0
CAS 170A	Beginning Excel (1)	Computer Applications II	Kathryn Robinson	0	0
CAS 208	Beginning Photoshop for the Web (3)	Computer Graphics I	Paul Webb	0	0
CAS 216A	Beginning Word (1)	Computer Applications II	Emily Ramberg	0	0
CAS 216A	Beginning Word (1)	Computer Applications II	Kathryn Robinson	0	0
CAS 232	Desktop Publishing: InDesign (3)	Computer Graphics II	Kathryn Robinson	0	0
CAS 232	Desktop Publishing: InDesign (3)	Computer Graphics II	Paul Webb	0	0

Summary for Beaverton High School:

505 1,362

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Beaverton School District Options Program

Spring Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Automotive Technology I & II - First Year	Louise Drow	9	36
AM 151	Undercar Systems I (4)	Automotive Technology I & II - First and Second Year	Louise Drow	3	12
AM 161	Electrical Systems I (4)	Automotive I & II - Second Year	Louise Drow	9	36

Health

(Health Services)

HE 252	First Aid - Basics and Beyond (4)	Health Careers	Paula Jacobs	86	344
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Medical Professions

(Health Services)

BI 55	Human Biology (4)	Human Anatomy & Physiology	Matt Bayha	0	0
MP 111	Medical Terminology (4)	Health Careers I and Advanced Health Careers Medical Terminology	Kathleen Newell	0	0
MP 111	Medical Terminology (4)	Health Careers I and Advanced Health Careers Medical Terminology	Paula Jacobs	0	0
MP 111	Medical Terminology (4)	Health Careers I and Advanced Health Careers Medical Terminology	Matt Bayha	16	64
MP 111	Medical Terminology (4)	Health Careers I and Advanced Health Careers Medical Terminology	Chip Halverson	9	36
MP 111	Medical Terminology (4)	Health Careers I and Advanced Health Careers Medical Terminology	Andrea Ellis	12	48

Not Offered

Health

(Health Services)

HE 252	First Aid - Basics and Beyond (4)	Health Careers	Kathleen Newell	0	0
HE 252	First Aid - Basics and Beyond (4)	Health Careers	Matt Bayha	0	0

Medical Professions

(Health Services)

BI 55	Human Biology (4)	Human Anatomy & Physiology	Kathleen Newell	0	0
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Summary for Beaverton School District Options Program:

144 576

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Benson High School

Winter Term 2014

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 100	Machine Tool Basics (1)	Manufacturing IV	Barth Clooten	9	9
MCH 135	Basic Measuring Tools (1.5)	Manufacturing IV	Barth Clooten	8	12
MCH 145	Layout Tools (1.5)	Manufacturing IV	Barth Clooten	8	12
MCH 160	Drilling Machines & Operations (2)	Manufacturing IV	Barth Clooten	9	18

Spring Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Automotive IV	Brett Anderson	26	104
AM 111	Engine Repair (4)	Automotive IV	Brett Anderson	26	104
AM 161	Electrical Systems I (4)	Automotive IV	Brett Anderson	26	104

Electrical Trades

(Industrial and Engineering)

ELT 110	Electricity for the Non-Electrician (2)	Electrical III	Tim Hryciw	0	0
ELT 125	Basic Programmable Logical Controls (2)	Electrical IV	Tim Hryciw	0	0
ELT 201	Electrical Motor Control (2)	Electrical IV	Tim Hryciw	0	0

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 100	Machine Tool Basics (1)	Manufacturing IV	Barth Clooten	8	8
MCH 105	Blueprint Reading I (1.5)	Manufacturing IV	Barth Clooten	8	12
MCH 110	Blueprint Reading II (1.5)	Manufacturing IV	Barth Clooten	8	12
MCH 120	Machine Shop Math (2)	Manufacturing IV	Barth Clooten	8	16
MCH 123	Sheet Metal Fabrication (4)	Manufacturing III	Barth Clooten	9	36
MCH 125	Speeds and Feeds (1)	Manufacturing IV	Barth Clooten	8	8
MCH 135	Basic Measuring Tools (1.5)	Manufacturing IV	Barth Clooten	8	12
MCH 145	Layout Tools (1.5)	Manufacturing IV	Barth Clooten	7	10.5
MCH 150	Precision Measuring Tools (1.5)	Manufacturing IV	Barth Clooten	9	13.5
MCH 160	Drilling Machines & Operations (2)	Manufacturing IV	Barth Clooten	8	16
MCH 180	Turning Machines and Operations (4)	Manufacturing IV	Barth Clooten	7	28
MCH 205	Vertical Milling Machine and Operations (3.5)	Manufacturing IV	Barth Clooten	8	28
MCH 272	Mastercam Level I (5)	Manufacturing III	Barth Clooten	10	50

Medical Professions

(Health Services)

MP 111	Medical Terminology (4)	Medical Dental Practice Preparation	Sally Niedermeyer	13	52
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Multimedia

(Arts & Communications)

MM 230	Graphics for Multimedia (4)	DMP 4 Media Design	Cathy Skach	5	20
MM 260	Video Production I (4)	DMP 4 Video	Cathy Skach	10	40

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Benson High School

Spring Term 2014

Welding		(Industrial and Engineering)			
WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Manufacturing III	Barth Clooten	11	44
WLD 271	Oxy-acetylene Welding Projects (3)	Manufacturing III	Barth Clooten	11	33

Not Offered

Computer Applications and Office Systems		(Business & Management)			
CAS 206	Principles of X/HTML (4)	Comm 4 Photo/Web Design	Jeanette Pelster	0	0
CAS 208	Beginning Photoshop for the Web (3)	Comm 4 Photo/Web Design	Jeanette Pelster	0	0

Summary for Benson High School:	268	802
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Canby High School

Fall Term 2013

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Construction I	Darren Monen	15	45
BCT 121	Wall Framing (3)	Construction III	Darren Monen	0	0

Winter Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Construction I	Darren Monen	28	84
BCT 121	Wall Framing (3)	Construction III	Darren Monen	0	0

Spring Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 100	Overview to the Construction Industry (3)	Overview of the Construction Industry	Darren Monen	0	0
BCT 102	Residential Printreading (3)	Construction I	Darren Monen	0	0
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Construction I	Darren Monen	13	39
BCT 121	Wall Framing (3)	Construction III	Darren Monen	0	0

Summary for Canby High School:

56 168

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline				Students	Credits
Courses under Agreement (credits)		High School Course Title	Instructor		

Catalyst

Winter Term 2014

College Success and Career Guidance		(None)			
CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Jenn Edgar	12	12

Not Offered

College Success and Career Guidance		(None)			
CG 102	College Survival and Success: Goal Setting (1)	Goal Setting	Jenn Edgar	0	0

Summary for Catalyst:	12	12
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Central Catholic High School

Winter Term 2014

Biology		(Natural Resource Systems)			
BI 141	Habitats: Life of the Forest (4)	Environmental Science	Leah Taylor	30	120
Computer Applications and Office Systems		(Business & Management)			
CAS 133	Basic Computer Skills/Microsoft Office (4)	Integrated Computer Applications/Microsoft Office	Nancy Peterson	63	252
English		(None)			
WR 121	English Composition (4)	English IV	Taren Taylor	27	108
WR 121	English Composition (4)	English IV	Liz Danek	8	32
WR 121	English Composition (4)	English IV	Tom Rhody	10	40
Music		(Arts & Communications)			
MUS 220A	Chorus (1)	Concert Choir	Christopher McLean	8	8

Spring Term 2014

Art		(Arts & Communications)			
ART 140A	Digital Photography I (3)	Digital Photo I & II	Linda Loughran	20	60
Biology		(Natural Resource Systems)			
BI 164	Bird ID and Ecology (4)	Environmental Science II	Leah Taylor	15	60
Computer Applications and Office Systems		(Business & Management)			
CAS 133	Basic Computer Skills/Microsoft Office (4)	Integrated Computer Applications/Microsoft Office	Nancy Peterson	86	344
English		(None)			
ENG 104	Introduction to Literature (Fiction) (4)	AP English	Arin Wallenius	12	48
ENG 104	Introduction to Literature (Fiction) (4)	AP English	Tom Rhody	4	16
ENG 106	Introduction to Literature (Poetry) (4)	AP English	Arin Wallenius	11	44
ENG 106	Introduction to Literature (Poetry) (4)	AP English	Tom Rhody	5	20
Math		(None)			
MTH 243	Statistics I (5)	Statistics	Pamela Boardman	35	175
Music		(Arts & Communications)			
MUS 220A	Chorus (1)	Concert Choir	Christopher McLean	3	3
MUS 220B	Chorus (1)	Concert Choir	Christopher McLean	5	5
Religious Studies		(None)			
R 210	World Religions (4)	Religion 4A	Aric Ward	26	104

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Central Catholic High School					
Spring Term 2014					
Spanish		(None)			
SPA 270A	Readings in Spanish Literature (Hispanic) (3)	Spanish 4/Composition and Culture	Angela Bergmann	19	57
SPA 271A	Readings in Spanish Literature (Women Writers) (3)	Spanish 4/Composition and Culture	Angela Bergmann	19	57
SPA 272A	Readings in Spanish Literature (Spain) (3)	Spanish 4/Composition and Culture	Angela Bergmann	19	57
SPA 290A	Spanish Composition (3)	Advanced Placement Spanish Language	Angela Bergmann	19	57
SPA 291A	Spanish Composition (3)	Advanced Placement Spanish Language	Angela Bergmann	19	57
SPA 292A	Spanish Composition (3)	Advanced Placement Spanish Language	Angela Bergmann	19	57
Not Offered					
Music		(Arts & Communications)			
MUS 220C	Chorus (1)	Concert Choir	Christopher McLean	0	0
MUS 220D	Chorus (1)	Concert Choir	Christopher McLean	0	0
MUS 220E	Chorus (1)	Concert Choir	Christopher McLean	0	0
MUS 220F	Chorus (1)	Concert Choir	Christopher McLean	0	0
Summary for Central Catholic High School:				501	1,781

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Century High School					
Winter Term 2014					
Computer Applications and Office Systems		(Business & Management)			
CAS 133	Basic Computer Skills/Microsoft Office (4)	Basic Business and Computer Applications	Raya Nichols	20	80
Spring Term 2014					
Computer Applications and Office Systems		(Business & Management)			
CAS 133	Basic Computer Skills/Microsoft Office (4)	Basic Business and Computer Applications	Raya Nichols	18	72
CAS 206	Principles of X/HTML (4)	Web Design & Applied Web Design	Chris Winikka	7	28
Early Education and Family Studies		(Human Resources)			
ECE 120	Introduction to Early Education and Family Studies (3)	Child Services I	Alia Laack	5	15
ECE 132	Early Childhood Field Work (2)	Child Services II	Alia Laack	3	6
Machine Manufacturing Technology		(Industrial and Engineering)			
MCH 290	Mastercam Fundamentals Orientation (1)	Drafting II	Tim Morley	2	2
MCH 291	Laser Cutting and Engraving Fundamentals (1)	Drafting I & II	Tim Morley	11	11
MCH 292	FDM Additive Manufacturing Fundamentals Orientation (1.5)	Drafting I & II	Tim Morley	11	16.5
MCH 293	CNC Router Fundamentals Orientation (1)	Drafting II	Tim Morley	5	5
MCH 294	3 Dimensional Digital Laser Scanning Fundamentals (1.5)	Drafting II	Tim Morley	0	0
Medical Professions		(Health Services)			
MP 111	Medical Terminology (4)	Health Services II	Rachelle Carnes	27	108
Not Offered					
Health		(Health Services)			
HE 250	Personal Health (3)	Anatomy & Physiology/Health Services I	Rachelle Carnes	0	0
HE 250	Personal Health (3)	Anatomy & Physiology/Health Services I	Kristin Blomberg	0	0
Summary for Century High School:				109	343.5

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline				Students	Credits
Courses under Agreement (credits)		High School Course Title	Instructor		

Clark County Skills Center

Spring Term 2014

Criminal Justice

(Human Resources)

CJA 100	Professions in Criminal Justice (3)	Criminal Justice II	Tony Shaver	11	33
CJA 111	Introduction to Criminal Justice System - Police (3)	Criminal Justice I	Tony Shaver	44	132
CJA 112	Introduction to Criminal Justice System-Courts (3)	Criminal Justice II	Tony Shaver	44	132

Summary for Clark County Skills Center:

99 297

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Early College High School

Fall Term 2013

College Success and Career Guidance

(None)

CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	James Lekas	22	22
CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Megan Brooke	41	41
CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Maggie (Helen) Brown	60	60
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	Megan Brooke	40	40
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	Maggie (Helen) Brown	76	76
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	James Lekas	21	21
CG 140B	Career and Life Planning (2)	Career and Life Planning	James Lekas	20	40

Winter Term 2014

College Success and Career Guidance

(None)

CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Maggie (Helen) Brown	28	28
CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Megan Brooke	10	10
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	Maggie (Helen) Brown	29	29
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	Megan Brooke	10	10
CG 140B	Career and Life Planning (2)	Career and Life Planning	James Lekas	41	82

Spring Term 2014

College Success and Career Guidance

(None)

CG 101	College Survival and Success: Personal Responsibility (1)	College Survival and Success: Personal Responsibility	Maggie (Helen) Brown	25	25
CG 102	College Survival and Success: Goal Setting (1)	College Survival and Success: Goal Setting	Maggie (Helen) Brown	25	25
CG 140B	Career and Life Planning (2)	Career and Life Planning	Megan Brooke	44	88
CG 140B	Career and Life Planning (2)	Career and Life Planning	James Lekas	36	72

Not Offered

College Success and Career Guidance

(None)

CG 140B	Career and Life Planning (2)	Career and Life Planning	Maggie (Helen) Brown	0	0
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Summary for Early College High School:

528 669

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Forest Grove High School

Winter Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Basic Construction & Woods II & Advanced Building Construction	Chris Higginbotham	36	108
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Computer Applications and Office Systems

(Business & Management)

CAS 111D	Beginning Website Creation: Dreamweaver (3)	Web Page Design	Theresa Broeren	11	33
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Math

(None)

MTH 111	College Algebra (5)	Pre-Calculus	Mike Wanner	11	55
MTH 111	College Algebra (5)	Pre-Calculus	Pete Rusaw	36	180
MTH 251	Calculus I (4)	Advanced Placement Calculus	Pete Rusaw	28	112
MTH 252	Calculus II (5)	Advanced Placement Calculus	Pete Rusaw	5	25

Welding

(Industrial and Engineering)

WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Metals II, IV	Jami Duyck	19	76
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Spring Term 2014

Biology

(None)

BI 101	Biology (4)	Honors Biology	Ben Crabtree	19	76
BI 102	Biology (4)	Honors Biology	Ben Crabtree	19	76

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Basic Construction & Woods II & Advanced Building Construction	Chris Higginbotham	11	33
BCT 120	Floor Framing (3)	Advanced Building Construction	Chris Higginbotham	13	39
BCT 121	Wall Framing (3)	Advanced Building Construction	Chris Higginbotham	13	39
BCT 128	Exterior Finish (6)	Advanced Building Construction	Chris Higginbotham	13	78
BCT 226	Finish Carpentry (2)	Advanced Building Construction	Chris Higginbotham	13	26

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications	Theresa Broeren	14	14
CAS 170A	Beginning Excel (1)	Computer Applications	Theresa Broeren	15	15
CAS 216A	Beginning Word (1)	Computer Applications	Theresa Broeren	14	14

Environmental Studies

(Natural Resource Systems)

ESR 171	Environmental Science: Biological Perspectives (4)	AP Environmental Sciences	Neil Borzcik	30	120
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Landscape Technology

(Natural Resource Systems)

LAT 109	Plant Propagation (3)	Introduction to Horticulture	Jami Duyck	12	36
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Forest Grove High School

Spring Trimester 2014

Math		(None)			
MTH 111	College Algebra (5)	Pre-Calculus	Annette Faris	19	95
MTH 112	Elementary Functions (5)	Pre-Calculus	Mike Wanner	12	60
MTH 112	Elementary Functions (5)	Pre-Calculus	Pete Rusaw	27	135
MTH 252	Calculus II (5)	Advanced Placement Calculus	Pete Rusaw	22	110
MTH 253	Calculus III (5)	AP Calculus BC	Pete Rusaw	4	20
Medical Professions		(Health Services)			
MP 111	Medical Terminology (4)	Medical Terminology	Jessica Gordon	18	72
Welding		(Industrial and Engineering)			
WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Metals II, IV	Jami Duyck	7	28

Not Offered

Building Construction Technology		(Industrial and Engineering)			
BCT 104	Construction Math (3)	Advanced Building Construction	Chris Higginbotham	0	0
Computer Applications and Office Systems		(Business & Management)			
CAS 121	Beginning Keyboarding (3)	Keyboarding, Electric Office Systems, Windows Applications, Word Processing	Theresa Broeren	0	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Advanced Computer Applications	Theresa Broeren	0	0
Landscape Technology		(Natural Resource Systems)			
CSS 200	Soils and Plant Nutrition (4)	Introduction to Agriculture	Jami Duyck	0	0
HOR 290	Introduction to Landscape Design (3)	Landscape Design & Nursery Production	Jami Duyck	0	0
Math		(None)			
MTH 112	Elementary Functions (5)	Pre-Calculus	Annette Faris	0	0

Summary for Forest Grove High School:

441 1,675

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Franklin High School

Winter Term 2014

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications I	Theresa Hawkins	55	55
CAS 109	Beginning PowerPoint (1)	Computer Applications I	Clara Cook	54	54
CAS 121	Beginning Keyboarding (3)	Computer Applications I	Clara Cook	98	294
CAS 216A	Beginning Word (1)	Computer Applications I	Theresa Hawkins	107	107
OS 131	10-key on Calculators (1)	Business Office Technology I-IV	Theresa Hawkins	23	23

Spring Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 104	Construction Math (3)	Intermediate Woodworking	Dan Silvernail	0	0
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Intermediate Woodworking	Dan Silvernail	0	0

Business Administration

(Business & Management)

BA 111	Introduction to Accounting (3)	Accounting I-II	Theresa Hawkins	35	105
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Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications I	Clara Cook	29	29
CAS 109	Beginning PowerPoint (1)	Computer Applications I	Theresa Hawkins	2	2
CAS 121	Beginning Keyboarding (3)	Computer Applications I	Clara Cook	39	117
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications II; Office Technology IV	Theresa Hawkins	59	236
CAS 170	Beginning Excel (3)	Computerized Accounting & Spreadsheets	Timothy Biamont	7	21
CAS 216	Beginning Word (3)	Business Office Technology I-IV	Theresa Hawkins	51	153
CAS 216A	Beginning Word (1)	Computer Applications I	Theresa Hawkins	34	34

English

(None)

ENG 104	Introduction to Literature (Fiction) (4)	Adventure Lit, World Lit and Film	Tim Hardin	64	256
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Not Offered

Business Administration

(Business & Management)

BA 111	Introduction to Accounting (3)	Accounting I-II	Clara Cook	0	0
BA 111	Introduction to Accounting (3)	Accounting I-II	Timothy Biamont	0	0

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications I	Timothy Biamont	0	0
CAS 121	Beginning Keyboarding (3)	Computer Applications I	Timothy Biamont	0	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications II	Clara Cook	0	0

Summary for Franklin High School:

657 1,486

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Gaston High School

Winter Term 2014

Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Woods I	Wade Sims	25	75
BCT 218	Woodworking Projects (2)	Woods IV	Wade Sims	0	0

Spring Term 2014

Building Construction Technology		(Industrial and Engineering)			
BCT 216	Cabinetry I (2)	Woods II	Wade Sims	21	42
BCT 217	Cabinetry II (2)	Woods III	Wade Sims	11	22
BCT 218	Woodworking Projects (2)	Woods IV	Wade Sims	2	4

Summary for Gaston High School:	59	143
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Glencoe High School

Winter Term 2014

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications	Rebecca Hufford	23	23
CAS 121	Beginning Keyboarding (3)	Computer Keyboarding	Eric Walker	30	90
CAS 133	Basic Computer Skills/Microsoft Office (4)	Advanced Computer Applications	Rebecca Hufford	2	8
CAS 216A	Beginning Word (1)	Computer Applications	Rebecca Hufford	23	23

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 100	Machine Tool Basics (1)	Machine/Welding II - First Year	Rob Brauer	42	42
MCH 105	Blueprint Reading I (1.5)	Machine/Welding II - Second Year	Rob Brauer	0	0
MCH 110	Blueprint Reading II (1.5)	Machine/Welding II - Second Year	Rob Brauer	0	0
MCH 120	Machine Shop Math (2)	Machine/Welding II - Second Year	Rob Brauer	0	0
MCH 125	Speeds and Feeds (1)	Machine/Welding II - Second Year	Rob Brauer	0	0
MCH 135	Basic Measuring Tools (1.5)	Machine/Welding II - First Year	Rob Brauer	41	61.5
MCH 145	Layout Tools (1.5)	Machine/Welding II - First Year	Rob Brauer	42	63
MCH 150	Precision Measuring Tools (1.5)	Machine/Welding II - Second Year	Rob Brauer	0	0
MCH 160	Drilling Machines & Operations (2)	Machine/Welding II - First Year	Rob Brauer	42	84
MCH 180	Turning Machines and Operations (4)	Machine/Welding II - First Year	Rob Brauer	42	168
MCH 205	Vertical Milling Machine and Operations (3.5)	Machine/Welding II - Second Year	Rob Brauer	0	0

Management and Supervisory Development

(Business & Management)

MSD 101	Principles of Management and Supervision (3)	Management	Rebecca Hufford	19	57
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Spring Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 111	Introduction to Residential Construction Documents (3)	Architecture II	Michael O'Connor	5	15
ARCH 126	Introduction to AutoCAD (3)	Architecture I	Michael O'Connor	7	21

Business Administration

(Business & Management)

BA 111	Introduction to Accounting (3)	Accounting I	Eric Walker	53	159
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College Success and Career Guidance

(None)

CG 130	Today's Careers (2)	Today's Careers	Brooke Nova	21	42
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting II	Michael O'Connor	6	24
DRF 126	Introduction to AutoCAD (3)	Drafting I	Michael O'Connor	7	21

Computer Applications and Office Systems

(Business & Management)

CAS 109	Beginning PowerPoint (1)	Computer Applications	Rebecca Hufford	0	0
CAS 121	Beginning Keyboarding (3)	Computer Keyboarding	Eric Walker	0	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Advanced Computer Applications	Rebecca Hufford	0	0
CAS 216A	Beginning Word (1)	Computer Applications	Rebecca Hufford	0	0

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Glencoe High School

Spring Term 2014

Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child Services I	Shellie DeWhitt	42	126
ECE 132	Early Childhood Field Work (2)	Child Services II	Shellie DeWhitt	18	36

Medical Professions

(Health Services)

BI 55	Human Biology (4)	Anatomy and Physiology	Ron Romanick	39	156
MP 111	Medical Terminology (4)	Medical Terminology	Ron Romanick	48	192

Welding

(Industrial and Engineering)

WLD 131	Gas Metal Arc Welding (3)	Machine/Welding II - Second Year	Rob Brauer	0	0
WLD 261	Basic Fabrication I (6)	Machine/Welding II - Second Year	Rob Brauer	1	6
WLD 262	Basic Fabrication II (6)	Machine/Welding II - Second Year	Rob Brauer	1	6
WLD 271	Oxy-acetylene Welding Projects (3)	Machine/Welding II - Second Year	Rob Brauer	1	3

Not Offered

Welding

(Industrial and Engineering)

WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Machine/Welding II - First Year	Rob Brauer	0	0
WLD 112	SMAW: Mild Steel I (E7018) (4)	Machine/Welding II - First Year	Rob Brauer	0	0
WLD 114	SMAW: Mild Steel III (E6011) (3)	Machine/Welding II - Second Year	Rob Brauer	0	0

Summary for Glencoe High School:

555 1,426.5

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Grant High School

Winter Term 2014

Biology		(None)			
BI 101	Biology (4)	Biology	Amy Lindahl	163	652
Computer Applications and Office Systems		(Business & Management)			
CAS 170A	Beginning Excel (1)	Statistics and Data Analysis	Mona Schraer	75	75
Education		(Human Resources)			
ED 109	Library Procedures (3)	Student Library Assistant Internship I	Paige Battle	13	39
History		(None)			
HST 275	African American History - II (4)	Humanities - African American History and Literature	Russell Peterson	40	160

Spring Term 2014

Biology		(None)			
BI 102	Biology (4)	Biology	Amy Lindahl	153	612
BI 121	Introduction of Human Anatomy and Physiology (4)	Human Anatomy I & II	Keri Pilgrim	51	204
BI 122	Introduction to Human Anatomy and Physiology II (4)	Human Anatomy I & II	Keri Pilgrim	51	204
Computer Applications and Office Systems		(Business & Management)			
CAS 170	Beginning Excel (3)	Statistics and Data Analysis	Mona Schraer	54	162
Education		(Human Resources)			
ED 111	Selection of Library Materials (3)	Student Library Assistant Internship II	Paige Battle	12	36
English		(None)			
ENG 104	Introduction to Literature (Fiction) (4)	Contemporary American Fiction	Paige Battle	12	48
History		(None)			
HST 276	African American History - III (4)	Humanities - African American History and Literature	Russell Peterson	33	132
Spanish		(None)			
SPA 201	Second Year Spanish - First Term (4)	Spanish 9-10	Tracy Wisher	16	64
SPA 202	Second Year Spanish - Second Term (4)	Spanish 9-10	Tracy Wisher	16	64
SPA 203	Second Year Spanish - Third Term (4)	Spanish 9-10	Tracy Wisher	16	64

Not Offered Trimester 2014

Biology		(None)			
BI 141	Habitats: Life of the Forest (4)	Environmental Science I	Keri Pilgrim	0	0
BI 164	Bird ID and Ecology (4)	Environmental Science II	Keri Pilgrim	0	0

Summary for Grant High School:

705 2,516

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Hillsboro High School

Winter Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 101	Introduction to Residential Design (3)	Architecture 1, 2	Don Domes	0	0
ARCH 111	Introduction to Residential Construction Documents (3)	Architecture 2, 3	Don Domes	0	0
ARCH 140	Introduction to CHIEF ARCHITECT (3)	Architecture 2, 3	Don Domes	0	0

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Auto I, II, & III	Glenn Campbell	4	16
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting 1	Don Domes	0	0
DRF 126	Introduction to AutoCAD (3)	Drafting 1, 2	Don Domes	0	0
DRF 133	Intermediate Drafting (4)	Drafting 2, 3	Don Domes	0	0
DRF 185	AutoCAD Inventor - Fundamentals (3)	Drafting 1, 2	Don Domes	0	0
DRF 270	SolidWorks Fundamentals (3)	SolidWorks	Don Domes	1	3

Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child's World	Kelly Purdy	18	54
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Spring Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 101	Introduction to Residential Design (3)	Architecture 1, 2	Don Domes	0	0
ARCH 111	Introduction to Residential Construction Documents (3)	Architecture 2, 3	Don Domes	0	0
ARCH 140	Introduction to CHIEF ARCHITECT (3)	Architecture 2, 3	Don Domes	3	9

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Auto I, II, & III	Glenn Campbell	4	16
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Drafting 1	Don Domes	6	24
DRF 126	Introduction to AutoCAD (3)	Drafting 1, 2	Don Domes	0	0
DRF 133	Intermediate Drafting (4)	Drafting 2, 3	Don Domes	0	0
DRF 185	AutoCAD Inventor - Fundamentals (3)	Drafting 1, 2	Don Domes	0	0
DRF 270	SolidWorks Fundamentals (3)	SolidWorks	Don Domes	4	12

Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child's World	Kelly Purdy	9	27
ECE 132	Early Childhood Field Work (2)	Child Services I & II	Kelly Purdy	11	22

Electrical Engineering Technology

(Industrial and Engineering)

EET 111	Electrical Circuit Analysis I (5)	Electronics 2, 3	Don Domes	0	0
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Hillsboro High School

Spring Term 2014

French		(None)			
FR 101	First Year French (4)	Third Year French	Tamara Miller	3	12
FR 102	First Year French (4)	Third Year French	Tamara Miller	3	12
FR 103	First Year French (4)	Third Year French	Tamara Miller	3	12

Microelectronics Technology		(Industrial and Engineering)			
MT 101	Intro to Semiconductor Manufacturing (1)	Electronic Technology 1	Don Domes	0	0
MT 102	Intro to Semiconductor Devices (1)	Electronic Technology 1	Don Domes	0	0
MT 103	Intro to Micro and Nano Processing (1)	Electronic Technology 1	Don Domes	0	0
MT 111	Electronic Circuits & Devices I (4)	Electronics Technology 1, 2	Don Domes	0	0
MT 121	Digital Systems I (3)	Electronics Technology 3	Don Domes	0	0

Summary for Hillsboro High School:	69	219
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Horizon Christian High School

Winter Term 2014

Economics		(Business & Management)			
EC 202	Principles Econ: Macroeconomics (4)	Macroeconomics	Michael Gump	4	16
Math		(None)			
MTH 111	College Algebra (5)	Pre-Calculus	Richard Espinoza	13	65
MTH 243	Statistics I (5)	Statistics	Richard Espinoza	1	5
MTH 251	Calculus I (4)	Calculus	Richard Espinoza	8	32

Spring Term 2014

Math		(None)			
MTH 112	Elementary Functions (5)	Pre-Calculus	Richard Espinoza	13	65
MTH 244	Statistics II (4)	Statistics	Richard Espinoza	1	4
MTH 252	Calculus II (5)	Calculus	Richard Espinoza	7	35

Summary for Horizon Christian High School:	47	222
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Jefferson High School

Spring Term 2014

Art (Arts & Communications)

ART 115	Basic Design - 2D Foundations (3)	Advanced 2-D Design Studio Art	Amy Hargrave-Ellis	7	21
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Dance (Arts & Communications)

D 130A	Modern Dance I (1)	Jefferson Dancers I	Steve Gonzales	10	10
D 150	Jazz Dance I (1)	Jazz Dance IV	Steve Gonzales	11	11
D 151	Jazz Dance II (1)	Jazz Dance IV	Steve Gonzales	11	11
D 191B	Ballet II (1)	Ballet IV	Steve Gonzales	11	11
D 252	Jazz Dance III (1)	Jazz Dance IV	Steve Gonzales	11	11
D 290A	Ballet III (1)	Ballet IV	Steve Gonzales	11	11
D 290B	Ballet III (1)	Ballet IV	Steve Gonzales	10	10

Reading (None)

RD 115	College Reading (4)	Junior English	Amy Wright	95	380
RD 115	College Reading (4)	Junior English	Dan Coffey	6	24

Not Offered

Dance (Arts & Communications)

D 130B	Modern Dance I (1)	Jefferson Dancers I	Steve Gonzales	0	0
D 131A	Modern Dance II (1)	Jefferson Dancers I	Steve Gonzales	0	0
D 190A	Ballet I (1)	Ballet III	Steve Gonzales	0	0
D 190B	Ballet I (1)	Ballet III	Steve Gonzales	0	0
D 191A	Ballet II (1)	Ballet III	Steve Gonzales	0	0
D 209	Dance Performance (1)	Jefferson Dancers II	Steve Gonzales	0	0
D 230A	Modern Dance III (1)	Jefferson Dancers II	Steve Gonzales	0	0
D 230B	Modern Dance III (1)	Jefferson Dancers II	Steve Gonzales	0	0

Summary for Jefferson High School:

183 500

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Lake Oswego High School					
Winter Term 2014					
Math		(None)			
MTH 251	Calculus I (4)	AP Calculus AB	Peter Dodson	3	12
Spring Term 2014					
Math		(None)			
MTH 252	Calculus II (5)	AP Calculus AB	Peter Dodson	0	0
MTH 253	Calculus III (5)	AP Calculus BC	Peter Dodson	0	0
Not Offered					
General Science		(Natural Resource Systems)			
GS 108	Physical Science (Oceanography) (4)	Oceanography	Jeff Goodrich	0	0
Summary for Lake Oswego High School:				3	12

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Lakeridge High School					
Winter Term 2014					
History		(None)			
HST 102	Western Civilization: Medieval to Early Modern Europe (4)	AP European History (First Semester)	Ryan Rosenau	24	96
Math		(None)			
MTH 251	Calculus I (4)	AP Calculus AB	Terry Moore	75	300
Spring Term 2014					
Chemistry		(None)			
CH 221	General Chemistry I (5)	AP Chemistry	Jennifer Brazier	37	185
English		(None)			
WR 122	English Composition (4)	AP English Language and Composition	Joanna Stein	26	104
General Science		(Natural Resource Systems)			
GS 108	Physical Science (Oceanography) (4)	Oceanography	Sarah Mock	18	72
History		(None)			
HST 103	Western Civilization: Modern Europe (4)	AP European History (Second Semester)	Ryan Rosenau	21	84
Math		(None)			
MTH 252	Calculus II (5)	AP Calculus AB	Terry Moore	58	290
MTH 253	Calculus III (5)	AP Calculus BC	Terry Moore	20	100
Music		(Arts & Communications)			
MUS 221A	Chamber Chorus (1)	A Cappella Choir	William Campbell	24	24
Summary for Lakeridge High School:				303	1,255

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Liberty High School

Winter Term 2014

Computer Applications and Office Systems

(Business & Management)

CAS 133	Basic Computer Skills/Microsoft Office (4)	Basic Business & Computer Application	David Douglas	21	84
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Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child Development	Jessica Ackerman	8	24
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History

(None)

HST 201	History of the U.S. to 1840 (4)	History of the United States I	Adam Mahlum	67	268
HST 218	Native American Indian History (4)	Native American History	Adam Mahlum	81	324
HST 240	Oregon History (4)	Oregon History	Adam Mahlum	0	0

Physics

(None)

PHY 101	Fundamentals of Physics I (4)	Physics	Milton Scholl	44	176
PHY 211	General Physics (Calculus) (5)	AP Physics	Milton Scholl	11	55

Spring Term 2014

Computer Applications and Office Systems

(Business & Management)

CAS 133	Basic Computer Skills/Microsoft Office (4)	Basic Business & Computer Application	David Douglas	15	60
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Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child Development	Jessica Ackerman	8	24
ECE 132	Early Childhood Field Work (2)	Child Services Focus Program	Jessica Ackerman	9	18

Emergency Medical Services

(Health Services)

EMS 120	Emergency Medical Service: First Responder (3)	Fire Science I	William Tuning	0	0
EMS 120	Emergency Medical Service: First Responder (3)	Fire Science I	Rodney Linz	27	81

Fire Protection

(Human Resources)

FP 101	Introduction to Fire Protection (3)	Fire Science I	William Tuning	0	0
FP 101	Introduction to Fire Protection (3)	Fire Science I	Rodney Linz	26	78
FP 101	Introduction to Fire Protection (3)	Fire Science I	Tom Lillegard	0	0
FP 133	Wildland Firefighter (3)	Fire Science I	Tom Lillegard	0	0
FP 133	Wildland Firefighter (3)	Fire Science I	William Tuning	0	0
FP 133	Wildland Firefighter (3)	Fire Science I	Rodney Linz	27	81
FP 201	Emergency Service Rescue (4)	Fire Science II	Rodney Linz	16	64
FP 201	Emergency Service Rescue (4)	Fire Science II	William Tuning	0	0
FP 201	Emergency Service Rescue (4)	Fire Science II	Tom Lillegard	0	0
FP 280B	Cooperative Education: Fire Science - Seminar (2)	Fire Science I & II	Tom Lillegard	0	0
FP 280B	Cooperative Education: Fire Science - Seminar (2)	Fire Science I & II	Rodney Linz	27	54
FP 280B	Cooperative Education: Fire Science - Seminar (2)	Fire Science I & II	William Tuning	14	28

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Liberty High School

Spring Term 2014

History		(None)			
HST 202	History of the U.S. 1840 - 1914 (4)	History of the United States II	Adam Mahlum	57	228
HST 203	History of the U.S. 1914 to Present (4)	History of the United States III	Adam Mahlum	59	236
HST 218	Native American Indian History (4)	Native American History	Adam Mahlum	1	4
HST 240	Oregon History (4)	Oregon History	Adam Mahlum	64	256
Physics		(None)			
PHY 103	Fundamentals of Physics III (4)	Physics	Milton Scholl	28	112
PHY 213	General Physics (Calculus) (5)	AP Physics	Milton Scholl	10	50
Theatre Arts		(Arts & Communications)			
TA 141	Fundamentals of Acting Techniques (4)	Advanced Theatre	Janet Van Wess	8	32
Summary for Liberty High School:				628	2,337

Courses Offered

Life Christian School

Environmental Studies

Not Offered

Environmental Studies

Summary for Life Christian School:

5 20

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Madison High School

Winter Term 2014

Education		(Human Resources)			
ED 109	Library Procedures (3)	Library/Textbook Room Teacher's Aide Procedures	Nancy Sullivan	12	36

Spring Term 2014

English		(None)			
WR 121	English Composition (4)	English Composition	Daniel Fredgant	25	100
Spanish		(None)			
SPA 101	First Year Spanish: First Term (4)	Spanish 1-2	Marisol Rodriguez	55	220
SPA 102	First Year Spanish: Second Term (4)	Spanish 3-4	Marisol Rodriguez	0	0
SPA 103	First Year Spanish: Third Term (4)	Spanish 5-6	Marisol Rodriguez	36	144

Summary for Madison High School:	128	500
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

McMinnville High School

Spring Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 104	Construction Math (3)	Construction II	Shawn Keinonen	0	0
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Construction II	Shawn Keinonen	0	0

Environmental Studies

(Natural Resource Systems)

ESR 171	Environmental Science: Biological Perspectives (4)	AP Environmental Science	Laura Syring	25	100
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Summary for McMinnville High School:

25 100

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Merlo Station High School

Winter Term 2014

Computer Applications and Office Systems		(Business & Management)		
CAS 103	Introduction to Windows (1)	Computer Applications I	Nancy Smith	19
CAS 104	Basic Internet Skills (1)	Computer Applications II	Nancy Smith	4
CAS 109	Beginning PowerPoint (1)	Computer Applications II	Nancy Smith	4
CAS 121A	Beginning Keyboarding (1)	Computer Applications I	Nancy Smith	19
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications II	Nancy Smith	4
CAS 216A	Beginning Word (1)	Computer Applications I	Nancy Smith	19

Spring Term 2014

Computer Applications and Office Systems		(Business & Management)		
CAS 103	Introduction to Windows (1)	Computer Applications I	Nancy Smith	0
CAS 104	Basic Internet Skills (1)	Computer Applications II	Nancy Smith	0
CAS 109	Beginning PowerPoint (1)	Computer Applications II	Nancy Smith	0
CAS 121A	Beginning Keyboarding (1)	Computer Applications I	Nancy Smith	0
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications II	Nancy Smith	0
CAS 216A	Beginning Word (1)	Computer Applications I	Nancy Smith	0

Summary for Merlo Station High School:	69	81
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Newberg High School

Winter Term 2014

Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 185	AutoCAD Inventor - Fundamentals (3)	CAD Design	Terry Coss	22	66
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Landscape Technology

(Natural Resource Systems)

LAT 106	Basic Horticulture (4)	General Horticulture	Peter Siderius	12	48
LAT 109	Plant Propagation (3)	Ornamental Horticulture	Peter Siderius	0	0

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 100	Machine Tool Basics (1)	Robotics	Terry Coss	3	3
MCH 105	Blueprint Reading I (1.5)	Robotics	Terry Coss	3	4.5
MCH 135	Basic Measuring Tools (1.5)	Robotics	Terry Coss	18	27
MCH 150	Precision Measuring Tools (1.5)	Robotics	Terry Coss	2	3
MCH 160	Drilling Machines & Operations (2)	Robotics	Terry Coss	6	12
MCH 175	Band Saws (1)	Robotics	Terry Coss	6	6
MCH 180	Turning Machines and Operations (4)	Robotics	Terry Coss	5	20
MCH 195	Threading on the Lathe (3)	Robotics	Terry Coss	7	21
MCH 210	Project Machine Technology IV (6)	Robotics	Terry Coss	1	6

Math

(None)

MTH 111	College Algebra (5)	Pre-Calculus B	Sharon Walesby	68	340
MTH 251	Calculus I (4)	Calculus I	Bruce Sinkbeil	43	172

Theatre Arts

(Arts & Communications)

TA 141	Fundamentals of Acting Techniques (4)	Drama/Acting	Drea Ferguson	19	76
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Welding

(Industrial and Engineering)

WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Welding I	Daniel Evonuk	6	24
WLD 271	Oxy-acetylene Welding Projects (3)	Welding II	Daniel Evonuk	3	9

Spring Term 2014

Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 185	AutoCAD Inventor - Fundamentals (3)	CAD Design	Terry Coss	12	36
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English

(None)

ENG 105	Introduction to Literature (Drama) (4)	Literature of an Author I/Shakespeare	Drea Ferguson	16	64
WR 121	English Composition (4)	Literature of an Author II/Shakespeare	Drea Ferguson	17	68

Landscape Technology

(Natural Resource Systems)

LAT 106	Basic Horticulture (4)	General Horticulture	Peter Siderius	3	12
LAT 109	Plant Propagation (3)	Ornamental Horticulture	Peter Siderius	6	18

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 195	Threading on the Lathe (3)	Robotics	Terry Coss	3	9
MCH 210	Project Machine Technology IV (6)	Robotics	Terry Coss	7	42

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Newberg High School

Spring Term 2014

Math

(None)

MTH 112	Elementary Functions (5)	Pre-Calculus A	Sharon Walesby	57	285
MTH 252	Calculus II (5)	Calculus II	Bruce Sinkbeil	30	150

Spanish

(None)

SPA 101	First Year Spanish: First Term (4)	Spanish 4A/B	Francisco Benetti	13	52
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Theatre Arts

(Arts & Communications)

TA 141	Fundamentals of Acting Techniques (4)	Drama/Acting	Drea Ferguson	17	68
TA 148	Movement for the Stage (3)	Expressive Movements	Drea Ferguson	17	51

Welding

(Industrial and Engineering)

WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting (4)	Welding I	Daniel Evonuk	5	20
WLD 271	Oxy-acetylene Welding Projects (3)	Welding II	Daniel Evonuk	0	0

Not Offered

Math

(None)

MTH 111	College Algebra (5)	Pre-Calculus B	Bruce Sinkbeil	0	0
MTH 112	Elementary Functions (5)	Pre-Calculus A	Bruce Sinkbeil	0	0
MTH 251	Calculus I (4)	Calculus I	Sharon Walesby	0	0
MTH 252	Calculus II (5)	Calculus II	Sharon Walesby	0	0

Summary for Newberg High School:

427 1,712.5

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

North Salem High School

Winter Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Cabinet Manufacturing III	Dean Mattson	13	39
BCT 216	Cabinetry I (2)	Cabinet Manufacturing IV	Dean Mattson	12	24
BCT 217	Cabinetry II (2)	Cabinet Manufacturing II	Dean Mattson	20	40
BCT 218	Woodworking Projects (2)	Cabinet Manufacturing I	Dean Mattson	29	58

Spring Term 2014

Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Cabinet Manufacturing III	Dean Mattson	8	24
BCT 216	Cabinetry I (2)	Cabinet Manufacturing IV	Dean Mattson	8	16
BCT 217	Cabinetry II (2)	Cabinet Manufacturing II	Dean Mattson	20	40
BCT 218	Woodworking Projects (2)	Cabinet Manufacturing I	Dean Mattson	31	62

Summary for North Salem High School:

141 303

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Portland YouthBuilders					
Summer Term 2013					
College Success and Career Guidance		(None)			
CG 100	College Survival and Success (3)	College Survival and Success	Annie Marges	1	3
Winter Term 2014					
Art		(Arts & Communications)			
ART 115	Basic Design - 2D Foundations (3)	Basic Design - 2D Foundations	Jessica Pierson	6	18
College Success and Career Guidance		(None)			
CG 100	College Survival and Success (3)	College Survival and Success	Annie Marges	0	0
Spring Term 2014					
Art		(Arts & Communications)			
ART 115	Basic Design - 2D Foundations (3)	Basic Design - 2D Foundations	Jessica Pierson	0	0
Building Construction Technology		(Industrial and Engineering)			
BCT 104	Construction Math (3)	Construction Basics and Work Site Training	Alec Meadows	2	6
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Construction Basics and Work Site Training	Alec Meadows	2	6
BCT 120	Floor Framing (3)	Construction Basics and Work Site Training	Alec Meadows	0	0
BCT 121	Wall Framing (3)	Construction Basics and Work Site Training	Alec Meadows	2	6
College Success and Career Guidance		(None)			
CG 100	College Survival and Success (3)	College Survival and Success	Annie Marges	0	
Summary for Portland YouthBuilders:				13	39

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					

Rex Putnam High School

Spring Term 2014

Theatre Arts		(Arts & Communications)			
TA 141	Fundamentals of Acting Techniques (4)	Acting II	Kelley Marchant	20	80
TA 142	Fundamentals of Acting Techniques (4)	Acting II/Year II	Kelley Marchant	13	52
Summary for Rex Putnam High School:				33	132

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)	Instructor	Duplicated Students	Total Credits
Discipline	Courses under Agreement (credits)				
		High School Course Title			

Riverdale High School

Fall Term 2013

English		(None)			
WR 121	English Composition (4)	English Composition	Holly Finnerty	13	52
Summary for Riverdale High School:				13	52

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Roosevelt High School

Winter Term 2014

Computer Applications and Office Systems		(Business & Management)			
CAS 121A	Beginning Keyboarding (1)	Computer Applications	Barbara Macon	15	15
CAS 216	Beginning Word (3)	Computer Applications	Barbara Macon	15	45

Spring Term 2014

Computer Applications and Office Systems		(Business & Management)			
CAS 109	Beginning PowerPoint (1)	Computer Applications	Barbara Macon	0	0
CAS 170	Beginning Excel (3)	Computer Applications	Barbara Macon	0	0
Summary for Roosevelt High School:				30	60

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Rosemary Anderson High School					
Winter Term 2014					
English		(None)			
ENG 106	Introduction to Literature (Poetry) (4)	Intro to Literature (Poetry)	Allison deFreese	3	12
Reading		(None)			
RD 116	College Vocabulary Development (3)	College Vocabulary Development	Allison deFreese	3	9
Spring Term 2014					
English		(None)			
ENG 195	Film Studies: Film as Art (4)	Film as Art	Allison deFreese	10	40
ENG 213	Latin American Literature (4)	Latin American History & Culture	Allison deFreese	8	32
WR 121	English Composition (4)	Senior Honors Writing	Allison deFreese	0	0
Not Offered					
English		(None)			
ENG 104	Introduction to Literature (Fiction) (4)	Introduction to Literature (Fiction)	Allison deFreese	0	0
Summary for Rosemary Anderson High School:				24	93

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Sabin - Schellenberg Center

Winter Term 2014

Fire Protection

(Human Resources)

FP 101	Introduction to Fire Protection (3)	Fire Science I	Dennis Katz	16	48
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Spring Term 2014

Architectural Design & Drafting

(Industrial and Engineering)

ARCH 101	Introduction to Residential Design (3)	Computer Aided Design II	Nancy Merchant	18	54
ARCH 111	Introduction to Residential Construction Documents (3)	Computer Aided Design II	Nancy Merchant	18	54
ARCH 126	Introduction to AutoCAD (3)	Computer Aided Design I	Nancy Merchant	14	42

Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 126	Introduction to AutoCAD (3)	Computer Aided Design I	Nancy Merchant	13	39
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Fire Protection

(Human Resources)

FP 280B	Cooperative Education: Fire Science - Seminar (2)	Fire Science I	Dennis Katz	16	32
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Summary for Sabin – Schellenberg Center:

95 269

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)	Instructor	Duplicated Students	Total Credits
Discipline	Courses under Agreement (credits)				
		High School Course Title			

Scappoose High School

Spring Term 2014

Early Education and Family Studies		(Human Resources)			
ECE 132	Early Childhood Field Work (2)	Child Development: Preschool III, IV	Robyn Grabhorn	2	4
Summary for Scappoose High School:				2	4

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Sherwood High School

Fall Term 2013

Biology		(None)			
BI 101	Biology (4)	AP Biology	Lance Thurman	26	104
BI 121	Introduction of Human Anatomy and Physiology (4)	Introduction of Human Anatomy & Physiology	Lance Thurman	57	228
Computer Applications and Office Systems		(Business & Management)			
CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications	Elizabeth Barrett	54	216
CAS 216A	Beginning Word (1)	Architecture 2, Engineering 3, 4, 5	John Niebergall	6	6
Machine Manufacturing Technology		(Industrial and Engineering)			
MCH 229	Rapid Prototyping (5)	Engineering 4, 5	John Niebergall	0	0
MCH 290	Mastercam Fundamentals Orientation (1)	Engineering 4, 5	John Niebergall	0	0
MCH 291	Laser Cutting and Engraving Fundamentals (1)	Engineering 3, 4, 5	John Niebergall	12	12
MCH 292	FDM Additive Manufacturing Fundamentals Orientation (1.5)	Engineering 3, 4, 5	John Niebergall	11	16.5
MCH 294	3 Dimensional Digital Laser Scanning Fundamentals (1.5)	Engineering 4, 5	John Niebergall	0	0
Math		(None)			
MTH 111	College Algebra (5)	Trigonometry & Pre-Calculus	Teresa Swake	0	0
MTH 111	College Algebra (5)	Trigonometry & Pre-Calculus	Heather Raddatz	50	250
MTH 111	College Algebra (5)	Trigonometry & Pre-Calculus	Greg Ptaszynski	13	65
MTH 251	Calculus I (4)	AP Calculus A	Teresa Swake	60	240

Winter Term 2014

Anthropology		(None)			
ATH 102	Introduction to Archaeology & Prehistory (4)	Archaeology	Brian Trostel	32	128
Architectural Design & Drafting		(Industrial and Engineering)			
ARCH 111	Introduction to Residential Construction Documents (3)	Architecture 2	John Niebergall	3	9
ARCH 140	Introduction to CHIEF ARCHITECT (3)	Architecture 1	John Niebergall	13	39
Biology		(None)			
BI 102	Biology (4)	AP Biology	Lance Thurman	24	96
BI 122	Introduction to Human Anatomy and Physiology II (4)	Introduction Human Anatomy & Physiology	Lance Thurman	53	212
Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Woods II, Basic Construction	Jon Dickover	0	0
Computer Aided Design & Drafting		(Industrial and Engineering)			
DRF 117	Drafting Fundamentals (4)	Engineering 2	John Niebergall	17	68
DRF 270	SolidWorks Fundamentals (3)	Engineering 2	John Niebergall	17	51

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Sherwood High School

Winter Term 2014

Computer Applications and Office Systems

(Business & Management)

CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications	Elizabeth Barrett	26	104
CAS 216A	Beginning Word (1)	Architecture 2, Engineering 3, 4, 5	John Niebergall	3	3

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 229	Rapid Prototyping (5)	Engineering 4, 5	John Niebergall	0	0
MCH 290	Mastercam Fundamentals Orientation (1)	Engineering 4, 5	John Niebergall	0	0
MCH 291	Laser Cutting and Engraving Fundamentals (1)	Engineering 3, 4, 5	John Niebergall	7	7
MCH 292	FDM Additive Manufacturing Fundamentals Orientation (1.5)	Engineering 3, 4, 5	John Niebergall	7	10.5
MCH 294	3 Dimensional Digital Laser Scanning Fundamentals (1.5)	Engineering 4, 5	John Niebergall	3	4.5

Math

(None)

MTH 111	College Algebra (5)	Trigonometry & Pre-Calculus	Heather Raddatz	53	265
MTH 111	College Algebra (5)	Trigonometry & Pre-Calculus	Teresa Swake	0	0
MTH 112	Elementary Functions (5)	Trigonometry & Pre-Calculus	Greg Ptaszynski	22	110
MTH 243	Statistics I (5)	AP Probability and Statistics	Greg Ptaszynski	51	255
MTH 252	Calculus II (5)	AP Calculus B	Teresa Swake	51	255

Spring Term 2014

Anthropology

(None)

ATH 102	Introduction to Archaeology & Prehistory (4)	Archaeology	Brian Trostel	24	96
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Architectural Design & Drafting

(Industrial and Engineering)

ARCH 111	Introduction to Residential Construction Documents (3)	Architecture 2	John Niebergall	4	12
ARCH 140	Introduction to CHIEF ARCHITECT (3)	Architecture 1	John Niebergall	3	9

Biology

(None)

BI 103	Biology (4)	AP Biology	Lance Thurman	19	76
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Building Construction Technology

(Industrial and Engineering)

BCT 106	Hand Tool/Power Tool Use and Safety (3)	Woods II, Basic Construction	Jon Dickover	14	42
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Computer Aided Design & Drafting

(Industrial and Engineering)

DRF 117	Drafting Fundamentals (4)	Engineering 2	John Niebergall	12	48
DRF 270	SolidWorks Fundamentals (3)	Engineering 2	John Niebergall	12	36

Computer Applications and Office Systems

(Business & Management)

CAS 133	Basic Computer Skills/Microsoft Office (4)	Computer Applications	Elizabeth Barrett	59	236
CAS 216A	Beginning Word (1)	Architecture 2, Engineering 3, 4, 5	John Niebergall	15	15

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Sherwood High School

Spring Term 2014

Machine Manufacturing Technology

(Industrial and Engineering)

MCH 229	Rapid Prototyping (5)	Engineering 4, 5	John Niebergall	1	5
MCH 290	Mastercam Fundamentals Orientation (1)	Engineering 4, 5	John Niebergall	0	0
MCH 291	Laser Cutting and Engraving Fundamentals (1)	Engineering 3, 4, 5	John Niebergall	17	17
MCH 292	FDM Additive Manufacturing Fundamentals Orientation (1.5)	Engineering 3, 4, 5	John Niebergall	19	28.5
MCH 294	3 Dimensional Digital Laser Scanning Fundamentals (1.5)	Engineering 4, 5	John Niebergall	4	6

Math

(None)

MTH 112	Elementary Functions (5)	Trigonometry & Pre-Calculus	Heather Raddatz	76	380
MTH 112	Elementary Functions (5)	Trigonometry & Pre-Calculus	Teresa Swake	0	0
MTH 112	Elementary Functions (5)	Trigonometry & Pre-Calculus	Greg Ptaszynski	22	110
MTH 243	Statistics I (5)	AP Probability and Statistics	Greg Ptaszynski	22	110
MTH 244	Statistics II (4)	AP Probability and Statistics	Greg Ptaszynski	42	168
MTH 253	Calculus III (5)	AP Calculus C	Teresa Swake	43	215

Medical Professions

(Health Services)

MP 111	Medical Terminology (4)	Health Occupations A & B	Kari Turner	25	100
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Not Offered

Math

(None)

MTH 251	Calculus I (4)	AP Calculus A	Heather Raddatz	0	0
MTH 251	Calculus I (4)	AP Calculus A	Greg Ptaszynski	0	0
MTH 252	Calculus II (5)	AP Calculus B	Greg Ptaszynski	0	0
MTH 252	Calculus II (5)	AP Calculus B	Heather Raddatz	0	0
MTH 253	Calculus III (5)	AP Calculus C	Greg Ptaszynski	0	0
MTH 253	Calculus III (5)	AP Calculus C	Heather Raddatz	0	0

Summary for Sherwood High School:

1,104 4,464

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

South Albany High School

Winter Term 2014

Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Introduction to Woodworking	Chava Neuhaus	30	90
BCT 216	Cabinetry I (2)	Cabinetmaking I	Chava Neuhaus	5	10

Spring Term 2014

Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Introduction to Woodworking	Chava Neuhaus	25	75
BCT 216	Cabinetry I (2)	Cabinetmaking I	Chava Neuhaus	0	0
BCT 217	Cabinetry II (2)	Cabinetmaking II	Chava Neuhaus	4	8

Summary for South Albany High School:	64	183
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline	(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)	High School Course Title	Instructor	Students	Credits

Southridge High School

Winter Term 2014

Computer Applications and Office Systems		(Business & Management)		
CAS 106	Introduction to X/HTML (1)	Web Design I	Dan Velasquez	9
CAS 111D	Beginning Website Creation: Dreamweaver (3)	Web Design II	Dan Velasquez	0

Spring Term 2014

American Sign Language		(Human Resources)		
ASL 101	First Year American Sign Language I (4)	First Year ASL	Tom Wills	41
ASL 102	First Year American Sign Language II (4)	Second Year ASL	Tom Wills	25
ASL 103	First Year American Sign Language III (4)	Third Year ASL	Tom Wills	8

Computer Applications and Office Systems		(Business & Management)		
CAS 106	Introduction to X/HTML (1)	Web Design I	Dan Velasquez	0
CAS 111D	Beginning Website Creation: Dreamweaver (3)	Web Design II	Dan Velasquez	5

Computer Information Systems		(Industrial and Engineering)		
CIS 133J	Java Programming I (4)	Java Programming I	Dan Velasquez	9

Summary for Southridge High School:	97	356
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2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
St. Helens High School					
Winter Term 2014					
Landscape Technology		(Natural Resource Systems)			
LAT 106	Basic Horticulture (4)	Horticulture	Alison Prehn	31	124
Spring Term 2014					
Architectural Design & Drafting		(Industrial and Engineering)			
ARCH 111	Introduction to Residential Construction Documents (3)	Advanced Technical Drawing	John Tainter	3	9
ARCH 140	Introduction to CHIEF ARCHITECT (3)	Advanced Technical Drawing	John Tainter	3	9
Automotive Service Technology		(Industrial and Engineering)			
AM 100	Introduction to Automotive Systems (4)	Automotive Technology II-IV	Mike Herdrich	0	0
AM 111	Engine Repair (4)	Automotive Technology I	Mike Herdrich	0	0
AM 151	Undercar Systems I (4)	Automotive Technology III-IV	Mike Herdrich	6	24
AM 161	Electrical Systems I (4)	Automotive Technology III-IV	Mike Herdrich	7	28
Building Construction Technology		(Industrial and Engineering)			
BCT 103	Residential Materials and Methods (3)	Building Construction and Independent Carpentry	Joseph Mauck	4	12
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Building Construction and Woodworking	Joseph Mauck	1	3
BCT 218	Woodworking Projects (2)	Building Construction and Independent Carpentry	Joseph Mauck	1	2
Computer Aided Design & Drafting		(Industrial and Engineering)			
DRF 117	Drafting Fundamentals (4)	Technical Drawing I & II	John Tainter	3	12
DRF 270	SolidWorks Fundamentals (3)	SolidWorks Fundamentals	John Tainter	3	9
Early Education and Family Studies		(Human Resources)			
ECE 120	Introduction to Early Education and Family Studies (3)	Child Development I and II	Martine Barnett	20	60
ECE 132	Early Childhood Field Work (2)	ECE	Martine Barnett	8	16
Landscape Technology		(Natural Resource Systems)			
LAT 106	Basic Horticulture (4)	Horticulture	Alison Prehn	35	140
Summary for St. Helens High School:				125	448

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Sunset High School					
Winter Term 2014					
Business Administration		(Business & Management)			
BA 101	Introduction to Business (4)	Marketing III (Hybrid)	Nicole Taylo	27	108
Computer Applications and Office Systems		(Business & Management)			
CAS 121	Beginning Keyboarding (3)	Computer Literacy	Jeff Smith	20	60
Spring Term 2014					
Business Administration		(Business & Management)			
BA 223	Principles of Marketing (4)	Principles of Marketing	Nicole Taylo	22	88
Summary for Sunset High School:				69	256

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Tigard High School

Winter Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 100	Introduction to Automotive Systems (4)	Auto Tech 1	Jay Butz	0	0
AM 111	Engine Repair (4)	Auto Tech 1	Jay Butz	0	0

History

(None)

HST 201	History of the U.S. to 1840 (4)	Honors U.S. History	Dave Unis	30	120
HST 201	History of the U.S. to 1840 (4)	Advanced U.S. History	Dave Unis	59	236
HST 201	History of the U.S. to 1840 (4)	Advanced U.S. History	Murray Carlisle	50	200
HST 202	History of the U.S. 1840 - 1914 (4)	Honors U.S. History	Dave Unis	31	124
HST 203	History of the U.S. 1914 to Present (4)	Honors U.S. History	Dave Unis	31	124

Psychology

(Health Services)

PSY 201A	Intro to Psychology - Part I (4)	IB Psychology I	Frank Caro	121	484
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Spring Term 2014

Automotive Service Technology

(Industrial and Engineering)

AM 111	Engine Repair (4)	Auto Tech 1	Jay Butz	1	4
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Biology

(None)

BI 101	Biology (4)	IB Bio I	Michael Weitzhandler	59	236
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History

(None)

HST 201	History of the U.S. to 1840 (4)	Honors U.S. History	Murray Carlisle	31	124
HST 201	History of the U.S. to 1840 (4)	Honors U.S. History	Dave Unis	35	140
HST 202	History of the U.S. 1840 - 1914 (4)	Honors U.S. History	Dave Unis	35	140
HST 202	History of the U.S. 1840 - 1914 (4)	Honors U.S. History	Murray Carlisle	31	124
HST 202	History of the U.S. 1840 - 1914 (4)	Advanced U.S. History	Murray Carlisle	42	168
HST 202	History of the U.S. 1840 - 1914 (4)	Advanced U.S. History	Dave Unis	53	212
HST 203	History of the U.S. 1914 to Present (4)	Advanced U.S. History	Murray Carlisle	42	168
HST 203	History of the U.S. 1914 to Present (4)	Honors U.S. History	Murray Carlisle	31	124
HST 203	History of the U.S. 1914 to Present (4)	Honors U.S. History	Dave Unis	35	140
HST 203	History of the U.S. 1914 to Present (4)	Advanced U.S. History	Dave Unis	53	212

Psychology

(Health Services)

PSY 202A	Intro to Psychology - Part II (4)	IB Psychology II	Frank Caro	35	140
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Summary for Tigard High School:

805 3,220

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Tualatin High School

Spring Term 2014

Early Education and Family Studies

(Human Resources)

ECE 120	Introduction to Early Education and Family Studies (3)	Child Services I & II	Sarah Lind	40	120
ECE 132	Early Childhood Field Work (2)	Child Services I & II	Sarah Lind	40	80

Summary for Tualatin High School:

80 200

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Valley Catholic High School

Spring Term 2014

Biology		(None)			
BI 101	Biology (4)	AP Biology	Amy Lacks	12	48
BI 102	Biology (4)	AP Biology	Amy Lacks	12	48
BI 103	Biology (4)	AP Biology	Amy Lacks	12	48
Summary for Valley Catholic High School:				36	144

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered		(Career Pathway)		Duplicated	Total
Discipline		High School Course Title	Instructor	Students	Credits
Courses under Agreement (credits)					
Westview High School					
Winter Term 2014					
Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Industrial Arts	Brian Gerber	35	105
Engineering		(Industrial and Engineering)			
ENGR 100	Exploring Engineering (1)	Exploring Engineering	Brian Gerber	29	29
English		(None)			
ENG 254	American Literature from 1865 (4)	Survey American Literature	Elizabeth Neely	28	112
Spring Term 2014					
Building Construction Technology		(Industrial and Engineering)			
BCT 106	Hand Tool/Power Tool Use and Safety (3)	Industrial Arts	Brian Gerber	72	216
Early Education and Family Studies		(Human Resources)			
ECE 120	Introduction to Early Education and Family Studies (3)	Child Development II	Lisa Weisenfluh	20	60
ECE 132	Early Childhood Field Work (2)	Child Development III	Lisa Weisenfluh	9	18
English		(None)			
WR 122	English Composition (4)	Writing 122	Elizabeth Neely	20	80
Summary for Westview High School:				213	620

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Wilson High School

Spring Trimester 2014

Computer Science		(Industrial and Engineering)			
CS 161	Computer Science I (4)	Computer Science 3-4 Honors	Christopher Bartlo	48	192
Journalism		(Arts & Communications)			
J 103	Introduction to Media Writing (4)	Newspaper - Editor	Keith Higbee	2	8
Multimedia		(Arts & Communications)			
MM 230	Graphics for Multimedia (4)	Digital Media Design & Production III-IV	Martin Douglass	12	48
Summary for Wilson High School:				62	248

2013-2014 Articulation Details by Discipline and Career Pathway

Courses Offered

Discipline		(Career Pathway)		Duplicated	Total
Courses under Agreement (credits)		High School Course Title	Instructor	Students	Credits

Wilsonville High School

Winter Term 2014

Computer Aided Design & Drafting		(Industrial and Engineering)			
DRF 126	Introduction to AutoCAD (3)	Beginning CAD	Judy Morris-Green	19	57

Spring Term 2014

Architectural Design & Drafting		(Industrial and Engineering)			
ARCH 111	Introduction to Residential Construction Documents (3)	Architectural Drafting I	Judy Morris-Green	2	6
Computer Aided Design & Drafting		(Industrial and Engineering)			
DRF 117	Drafting Fundamentals (4)	Engineering	Judy Morris-Green	4	16
DRF 126	Introduction to AutoCAD (3)	Beginning CAD	Judy Morris-Green	17	51
Summary for Wilsonville High School:				42	130

GLOSSARY OF TERMS

40-40-20 Goal - Education initiative of Oregon Governor John Kitzhaber. The 40-40-20 targets propose goals of 40% of the population having a four year college degree by 2025, 40% of the population have post-secondary training, and the remaining 20% having a high school degree or equivalent (in benchmark terms this equates to 100% of the population having a high school diploma or equivalent).

AY - Academic year is a term used as an annual measure of time from summer to spring, rather than calendar year.

Career & Technical Education (CTE) courses - An approved, coherent sequence of academic and occupational courses within a CTE program that is articulated by a two-year certificate, degree, technical diploma or apprenticeship program at a postsecondary institution.

Course Content & Outcome Guides (CCOGs) - Portland Community College's course description and outcome guides. www.pcc.edu/ccog

Course Reference Number (CRN) - A CRN is the 5-digit number assigned to each PCC course and used for registration purposes.

Department of Community Colleges Workforce Development (CCWD) - The State Board of Education and the CCWD distribute state aid to community colleges, approve new programs and courses, and adopt rules for the general governance of community colleges.

Dual Credit - Dual credit is defined as awarding secondary and postsecondary credit for a course offered in a high school during regular school hours, as determined by local school board and community college board policy.
(*Accelerated College Credit Opportunities for Oregon High School Student-ODE Primer and OAR 589-007-0200*)

Educational Advisory Council (EAC) - PCC's EAC crafts and revises policies and standards pertaining to academic, curricular, student development, and student governance issues and makes recommendations to the district president. The EAC provides an opportunity for discussion and exchange of views regarding educational issues at PCC-whether initiated by students, faculty, staff, or administration.

Full-time Equivalency (FTE) - For each 510 hours of instructional time provided to students in select courses a college is awarded one FTE for reimbursement. College finding is based in part on the development of FTE. Also, see OAR 589-002-0100 (7).

Pedagogical - Pedagogy is the method and practice (also referred to as the science and art) of teaching, especially as an academic subject or theoretical concept.

Subject Area Committee (SAC) - At PCC, the key elements of curriculum and instruction are developed by the SAC's which are comprised of the teaching faculty in the program/discipline.

Student Handbook - The Dual Credit student handbook is a guide for students and families regarding the dual credit program. It contains information on student expectations, responsibilities, grading, registrations procedures, and cost.

University Transfer (UT) (also called Lower Division Collegiate (LDC) courses - Collegiate level work in areas of instruction that parallel the offerings of the first two years of Oregon's four-year institutions, and are generally accepted for transfer by Oregon's public higher education institutions. (OAR 581-006-0050(29)).
<http://www.oregon.gov/CCWD/pdf/FTE/FTEGuidelines.pdf>

Wiki Space - The intended goal of the PCC Dual Credit Wiki Space was to provide online access for high schools and their PCC counterparts to share syllabi, teaching resources, rubrics, and best practices of the articulated courses. The Wiki Space is also a way to help PCC departments review/reference syllabi annually, as well as a way for departments to share their syllabi and course information with articulating high school faculty.

APPENDIX OF PREVIOUSLY APPROVED COURSES

Following is a list of courses at PCC that have previously been approved to articulate with high schools. Courses articulated for PCC Dual Credit are not limited to this list.

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Automotive Service Technology	AM 100	Introduction to Automotive	4
	AM 111	Engine Repair	4
	AM 151	Undercar Systems I	4
	AM 161	Electrical I	4
Architectural Design & Drafting	ARCH 100	Graphic Communication for Designers	3
	ARCH 101	Architectural Graphics I	3
	ARCH 111	Introduction to Residential Construction Documents	3
	ARCH 126	Introduction to AutoCAD	3
	ARCH 136	Intermediate AutoCAD	3
	ARCH 140	Introduction to Chief Architect	3
	ARCH 200	Intro to Architecture	4
Art	ART 115	Basic Design-2D Foundations	3
	ART 131	Introduction to Drawing	3
	ART 140A	Digital Photography I	3
	ART 142	Intro to Black & White Photography (Darkroom)	3
	ART 218	Lettering & Calligraphy I	2
	ART 220	Advanced Lettering and Seminar	2
American Sign Language	ASL 101	First Year American Sign Language I	4
	ASL 102	First Year American Sign Language II	4
	ASL 103	First Year American Sign Language III	4
Anthropology	ATH 102	Introduction to Archaeology & Prehistory	4
Business Administration	BA 101	Introduction to Business	4
	BA 111	Introduction to Accounting	3

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Business Administration	BA 223	Principles of Marketing	4
Building Construction Technology	BCT 100	Overview of Construction	3
	BCT 102	Residential Printreading	3
	BCT 103	Residential Materials and Methods	3
	BCT 104	Construction Math	3
	BCT 106	Hand Tool/Power Tool Use and Safety	3
	BCT 120	Floor Framing	3
	BCT 121	Wall Framing	3
	BCT 127	Concrete Construction I	6
	BCT 128	Exterior Finish	6
	BCT 216	Cabinetry I	2
	BCT 217	Cabinetry II	2
	BCT 218	Woodworking Projects	2
	BCT 206	Sustainable Construction Practices	3
	BCT 226	Finish Carpentry	2
Biology	BI 101	Biology	4
	BI 102	Biology	4
	BI 103	Biology	4
	BI 121	Intro to Human Anatomy & Physiology I	4
	BI 122	Intro to Human Anatomy & Physiology II	4
	BI 141	Habitats: Life of the Forest	4
	BI 164	Bird ID and Ecology	4
Computer Applications Systems	CAS 103	Introduction to Windows	1
	CAS 104	Basic Internet Skills	1
	CAS 106	Introduction to X/HTML	1

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Computer Application Systems	CAS 109	Beginning PowerPoint	1
	CAS 110	Intro to Web Graphic Using Fireworks	1
	CAS 111D	Beginning Website: Dreamweaver	3
	CAS 121	Beginning Keyboarding	3
	CAS 121A	Beginning Keyboarding	1
	CAS 133	Basic Computer Skills/MS Office	4
	CAS 140	Beginning Access	3
	CAS 170	Beginning Excel	3
	CAS 170A	Beginning Excel	1
	CAS 175	Introduction to Flash	3
	CAS 206	Principles of HTML/XHTML	4
	CAS 208	Beginning Photoshop for the Web	3
	CAS 216	Beginning Word	3
	CAS 216A	Beginning Word	1
	CAS 232	Desktop Publishing: InDesign	3
	CAS 240	Project Management– Beginning MS Project	3
	CAS 246	Integrated Computer Projects	4
College Success & Career Guidance	CG 100	College Survival and Success	3
	CG 101	College Survival and Success: Personal Responsibility	1
	CG 102	College Survival and Success: Goal Setting	1
	CG 130	Today's Careers	2
	CG 140B	Career & Life Planning	2
Chemistry	CH 221	General Chemistry I	5
Criminal Justice	CJA 100	Professions in Criminal Justice	3
	CJA 111	Intro to Criminal Justice System-Police	3
	CJA 112	Intro to Criminal Justice System-Courts	3

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Criminal Justice	CJA 113	Intro to Criminal Justice System-Corrections	3
	CJA 215	Forensic Science & Criminalistics	3
Computer Information Systems	CIS 120	Computer Concepts I	4
	CIS 121	Computer Concepts II	4
	CIS 122	Software Design	4
	CIS 133B	Intro to Visual Basic.NET Programming	4
	CIS 133J	Java Programming I	4
Civil/Mechanical Engineering Technology	CMET 113	Engineering Technology Graphics	3
	CMET 133	Materials Technology	3
Computer Science	CS 133U	C Programming	4
	CS 140U	Intro to UNIX/Linux	4
	CS 160	Exploring Computer Science	4
	CS 161	Computer Science I	4
	CS 162	Computer Science II	4
Crop Soil Science	CSS 200	Soils and Plant Nutrition	3
Dance	D 130A	Modern Dance I	1
	D 130B	Modern Dance I	1
	D 131A	Modern Dance II	1
	D 131B	Modern Dance II	1
	D 150	Jazz Dance I	1
	D 151	Jazz Dance II	1
	D 190A	Ballet I	1
	D 190B	Ballet I	1
	D 191A	Ballet II	1
	D 191B	Ballet II	1
	D 192A	Ballet I	1
	D 192B	Ballet II	1
	D 192D	Modern Dance II	1

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Dance	D 209	Dance Performance	3
	D 230A	Modern Dance III	1
	D 230B	Modern Dance III	1
	D 252	Jazz Dance III	1
	D 290A	Ballet III	1
	D 290B	Ballet III	1
	D 292	Ballet III	1
Computer Aided Design & Drafting	DRF 117	Drafting Fundamentals	4
	DRF 126	Introduction to AutoCAD	3
	DRF 133	Intermediate Drafting	4
	DRF 135	Advanced Drafting	3
	DRF 136	Intermediate AutoCAD	3
	DRF 185	AutoCAD Inventor-Fundamentals	3
	DRF 246	AutoCAD 3-D and Solid Modeling	3
	DRF 270	SolidWorks Fundamentals	3
	DRF 285	AutoCAD Inventor-Advanced	3
Economics	EC 202	Principle of Economics: Macroeconomics	4
Early Education & Family Studies	ECE 120	Intro to Early Education and Family Studies	3
	ECE 132	Early Childhood Field Work	2
Education	ED 109	Library Procedures	3
	ED 111	Selection of Library Materials	3
Electronic Engineering Technology	EET 111	Electrical Circuit Analysis I	5
	EET 121	Digital Systems I	3
	EET 178	PC Architecture for Technicians	4
Electrical Trades	ELT 110	Electricity for the Non-Electrician	2
	ELT 125	Basic Programmable Logic Controls	2
	ELT 201	Electrical Motor Control	2

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Emergency Medical Services	EMS 120	EMS: First Responder	3
English	ENG 104	Introduction to Literature (Fiction)	4
	ENG 105	Introduction to Literature (Drama)	4
	ENG 106	Introduction to Literature (Poetry)	4
	ENG 195	Film Studies: Film as Art	4
	ENG 213	Latin American Literature	4
	ENG 254	American Literature from 1865	4
Engineering	ENGR 100	Exploring Engineering	1
	ENGR 101	Engineering Fundamentals	4
Environmental Studies	ESR 171	Environmental Science: Biological Perspectives	4
Environmental Studies	ESR 172	Environmental Science: Chemistry Perspectives	4
Facilities Maintenance Technology	FMT 101	Refrigeration I	2
	FMT 102	Refrigeration II	2
	FMT 111	Refrigeration Electrical I	2
	FMT 112	Refrigeration Electrical II	2
Fire Protection	FP 101	Introduction to Fire Protection	3
	FP 133	Wildland Firefighter	3
	FP 280B	Cooperative Education: Fire Science Seminar	2
	FP 201	Emergency Service Rescue	4
French	FR 101	First Year French	4
	FR 102	First Year French	4
	FR 103	First Year French	4
Geography	GEO 298	Independent Study: GIS	3
German	GER 101	First Year German	4
	GER 102	First Year German	4

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
German	GER 103	First Year German	4
General Science	GS 108	Physical Science (Oceanography)	4
Health	HE 112	First Aid and Emergency Care	1
	HE 250	Personal Health	3
	HE 252	First Aid-Basics and Beyond	4
History	HST 101	Western Civilization: Ancient World to Early Medieval Europe	4
	HST 102	Western Civilization: Medieval to Early Modern Europe	4
	HST 103	Western Civilization: Modern Europe	4
	HST 201	History of the United States to 1840	4
	HST 202	History of the United States 1840-1914	4
	HST 203	History of the United States 1914-Present	4
	HST 218	Native American Indian History	4
	HST 240	Oregon History	4
	HST 275	African American History II	4
	HST 276	African American History III	4
Horticulture	HOR 226	Plant Materials-Deciduous	4
	HOR 227	Plant Materials-Evergreens	4
	HOR 228	Plant Materials-Flowering	4
	HOR 255	Spring Annuals and Perennials	3
	HOR 290	Introduction to Landscape Design	3
Journalism	J 102	Introduction to Information Gathering	4
	J 103	Introduction to Media Writing	4
Japanese	JPN 102	First Year Japanese	5
Interior Design	ID 131	Introduction to Interiors	3

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Landscape Technology	LAT 104	Pesticides	3
	LAT 106	Basic Horticulture	4
	LAT 109	Plant Propagation	3
	LAT 110	Grounds Maintenance	4
	LAT 111	Landscape Construction Practices	3
Machine Manufacturing Technology	MCH 100	Machine Tool Basics	1
	MCH 105	Blueprint Reading I	1.5
	MCH 110	Blueprint Reading II	1.5
	MCH 120	Machine Shop Math	2
	MCH 123	Sheet Metal Fabrication	4
	MCH 125	Speeds and Feeds	1
	MCH 135	Basic Measuring Tools	1.5
	MCH 145	Layout Tools	1.5
	MCH 150	Precision Measuring Tools	1.5
	MCH 157	Project Machine Tech I	1.5
	MCH 158	Project Machine Tech II	3
	MCH 160	Drilling Machines and Operations	2
	MCH 175	Band Saws	1.5
	MCH 180	Turning Machines and Operations	4
	MCH 195	Threading on the Lathe	3.5
	MCH 205	Vertical Milling Machine and Operations	3.5
	MCH 210	Projects Machine Technology IV	6
	MCH 229	Rapid Prototyping	5
	MCH 272	Mastercam Level I	5
	MCH 290	Mastercam Fundamentals Orientation	1

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Machine Manufacturing Technology	MCH 291	Laser Cutting and Engraving Fundamentals	1
	MCH 292	FDM Additive Manufacturing Fundamentals Orientation	1.5
	MCH 293	CNC Router Fundamentals Orientation	1
	MCH 294	3 Dimensional Digital Laser Scanning Fundamentals	1.5
Medical Professions	BI 55	Human Biology	4
	MP 111	Medical Terminology	4
Management & Supervisory Development	MSD 101	Principles of Management and Supervision	3
	MSD 121	Leadership Skill Development	3
	MSD 123	Job Search Strategies	1
	MSD 160A	Communication Styles	1
	MSD 174	Time Management	1
	MSD 180A	Goal Setting and Productivity	1
	MSD 194	Effective Presentation Skills	1
	MSD 279	Intro to Project Management	4
Microelectronics Technology	MT 101	Intro to Semiconductors Manufacturing	1
	MT 102	Intro to Semiconductors Development	1
	MT 103	Intro to Micro and Nano Process	1
	MT 111	Electronic Circuits & Devices I	4
	MT 121	Digital Systems I	3
Math	MTH 95	Intermediate Algebra	4
	MTH 111	College Algebra	5
	MTH 112	Elementary Functions	5
	MTH 243	Statistics I	5

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Math	MTH 244	Statistics II	4
	MTH 251	Calculus I	4
	MTH 252	Calculus II	5
	MTH 253	Calculus III	5
Multimedia	MM 230	Graphics for Multimedia	4
	MM 260	Video Production I	4
Music	MUS 110	Fundamentals of Music	3
	MUS 190	Introduction to Piano	2
	MUS 195	Symphonic Band	1
	MUS 220A	Chorus	1
	MUS 220B	Chorus	1
	MUS 220C	Chorus	1
	MUS 220D	Chorus	1
	MUS 220E	Chorus	1
	MUS 220F	Chorus	1
	MUS 221	Chorus: Chamber Choir	1
	MUS 221A	Chamber Chorus	1
Professional Music	MUC 154A	Band Performance Workshop	2
	MUC 154B	Band Performance Workshop	2
	MUC 154C	Band Performance Workshop	2
Office Systems	OS 131	10-Key Calculator	1
Physics	PHY 101	Fundamentals of Physics I	4
	PHY 102	Fundamentals of Physics II	4
	PHY 103	Fundamentals of Physics III	4
	PHY 201	General Physics	4

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Physics	PHY 202	General Physics	4
	PHY 203	General Physics	4
	PHY 211	General Physics (Calculus)	5
	PHY 213	General Physics (Calculus)	5
Psychology	PSY 201A	Introduction to Psychology— Part I	4
	PSY 202A	Introduction to Psychology— Part II	4
Reading	RD 115	College Reading	3
	RD 116	College Vocabulary Development	3
Religious Studies	R 210	World Religions	4
Spanish	SPA 101	First Year Spanish— First Term	4
	SPA 102	First Year Spanish— Second Term	4
	SPA 103	First Year Spanish— Third Term	4
	SPA 201	Second Year Spanish— First Term	4
	SPA 202	Second Year Spanish— Second Term	4
	SPA 203	Second Year Spanish— Third Term	4
	SPA 270A	Readings in Spanish Literature (Hispanic)	3
	SPA 271A	Readings in Spanish Literature (Women Writers)	3
	SPA 272A	Readings in Spanish Literature (Spain)	3
	SPA 290A	Spanish Composition	3
	SPA 291A	Spanish Composition	3
	SPA 292A	Spanish Composition	3
Theatre Arts	TA 141	Fundamentals of Acting Techniques	4
	TA 142	Fundamentals of Acting Techniques	4
	TA 148	Movement for the Stage	3

APPENDIX OF PREVIOUSLY APPROVED COURSES

PROGRAM AREA	COURSE #	PCC COURSE NAME	CREDITS
Welding	WLD 111	SMAW: Mild Steel (E7024) & Oxy-acetylene Cutting	4
	WLD 112	SMAW: Mild Steel I (E7018)	4
	WLD 113	SMAW: Mild Steel II (E7018)	4
	WLD 114	SMAW: Mild Steel III (E6011)	3
	WLD 115	SMAW: Mild Steel IV (E6011)	3
	WLD 131	Gas Metal Arc Welding	3
	WLD 141	Flux-Cored Arc Welding I	3
	WLD 151	SMAW Certification Practice: Unlimited Thickness Mild Steel	3
	WLD 253	SMAW Certification Practice: 3/8" Mild Steel (E6011)	3
	WLD 254	SMAW Certification Practice: 3/8" Mild Steel (E6011)	3
	WLD 261	Basic Fabrication I	6
	WLD 262	Basic Fabrication II	6
	WLD 271	Oxy-acetylene Welding Projects	3
Writing	WR 115	Introduction to Expository Writing	3
	WR 117	Introduction to Technical Writing	3
	WR 121	English Composition	4
	WR 122	English Composition	4