TRANSFER TABLES OF CHEMISTRY COURSES TO OSU FROM OREGON PUBLIC UNIVERSITIES

In general, other Oregon universities do not teach CH 121 - 123 or its equivalent. In general, 100-level chemistry courses from Oregon universities do not transfer to OSU as CH 121-123 and do not fulfill the requirements for majors in those OSU departments that specify a year of general chemistry. Usually CH 121-123, or a higher level general chemistry sequence such as CH 221 - 223, is specified in the curriculum for a specific major at OSU. Hence, students who plan to transfer to OSU should normally take the 200-level general chemistry sequence that is considered equivalent to CH 221-223 at OSU.

A student should contact an academic adviser in the specific department of interest for clarification of the department's general chemistry requirements. GOB chemistry sequences that cover a combination of general chemistry, organic chemistry, and biochemistry will not be accepted in place of CH 221-223 for certain majors such as chemistry.

A 100-level, 1-year, chemistry course sequence from a University that does not transfer to OSU as CH 121-123:

1) is not allowed as a prerequisite for organic chemistry at OSU (CH 331 or CH 334).

2) does not fulfill the OSU chemistry minor requirement for one year of general chemistry.

See summary table of articulations from community colleges

See summary table of articulations from Oregon public universities

In many cases, a course may not articulate as a specific OSU course, but the course still will serve as a prerequisite for other chemistry courses. This situation requires that you contact the OSU chemistry department for an override to be able to register for a course.

The tables below are unofficial. The intent is to keep them current and correct. The Oregon College Articulation Tables should be consulted as the official source. Also some of the information provided here is beyond that supplied in the official articulations tables. This information includes interpretations about how courses (even if they do not articulate with an OSU number) can be used for different majors including chemistry or to fulfill the requirements of the chemistry minor.

Oregon Universities Listed

Clink on the college to jump to its table

Eastern Oregon University (EOU)

Do not meet requirements for college general chemistry or as a prerequisite for CH 331 & 336 at OSU.

EOU	EOU	EOU	OSU	OSU	OSU	cr
CHEM	101	INTRO TO CHEMISTRY	CH	LDT	*PS: INTRO TO CHEMISTRY	4
CHEM	102	INTRO TO CHEM	CH	LDT	*PS: INTRO TO CHEMISTRY	4
CHEM	103	INTRO TO CHEM	CH	LDT	*PS: INTRO TO CHEMISTRY	4

Previous to Fall 2007, CHEM 102 and CHEM 103 articulated as CH 122 and CH 123.

Students at EOU in the joint OSU/EOU programs in Crop and Soil Science or Rangeland Ecology and Management take CHEM 101-103 as the required chemistry sequence (EOU catalog).

- Students that complete their degrees at Eastern will NOT be affected by these changes in articulations.

- Students who transfer to the OSU programs in Corvallis MAY have CHEM 101, 102, 103 accepted by their OSU advisor in their agricultural major or program to meet the requirement of a lower division Chemistry sequence. CHEM 101, 102, 103 count for the OSU baccalaureate core requirement for physical science.

- Agriculture majors and other students who plan to transfer to an OSU/Corvallis major program requiring organic chemistry must take the 200-level general chemistry at Eastern to be prepared for organic chemistry at OSU. CHEM 204 - 206 sequence is also the pre-requisite for the organic chemistry sequence at EOU. Students with a weak chemistry background may wish to first take CHEM 101 & 102 before enrolling in CHEM 204 - 206 at EOU.

Do meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

EOU	EOU	EOU	OSU	OSU	OSU	cr
CHEM	204	General Chemistry	CH	221	*GENERAL CHEMISTRY	5
CHEM	205	General Chemistry	CH	222	*GENERAL CHEMISTRY	5
CHEM	206	QUALITATIVE ANALYSIS	CH	223	*GENERAL CHEMISTRY	5

EOU students who plan to transfer to OSU and need general chemistry for their major at OSU, including science and pre-health majors, should take the CHEM 204 - 206 sequence at EOU. CH 223 is the pre-requisite for CH 331 or CH 334 at OSU.

Organic Chemistry Sequence

EOU	EOU	EOU		OSU	OSU	OSU	cr
CHEM	334	ORGANIC CHEM I		CH	334	LD: ORGANIC CHEMISTRY	3
			plus	CH	UDT	LD: ORGANIC CHEMISTRY	1
CHEM	335	ORGANIC CHEM II		CH	335	LD: ORGANIC CHEMISTRY	3
			plus	CH	UDT	LD: ORGANIC CHEMISTRY	1
CHEM	336	ORGANIC CHEM III		CH	336	LD: ORGANIC CHEMISTRY	3
			plus	CH	UDT	LD: ORGANIC CHEMISTRY	1
CHEM	338	ORGANIC CHEM I LAB		CH	UDT	ORGANIC CHEM I LAB	1

CHEM	339	ORGANIC CHEM II LAB		CH	UDT	ORGANIC CHEM II LAB	1

Note that the EOU organic chemistry laboratory courses (CHEM 338 & 339) are only 1 cr and do not articulate as an OSU course such as CH 337 (4 cr).

EOU students, who plan to transfer to OSU after taking general chemistry and organic chemistry and who need organic chemistry (CH 331, 332, 337) for their major or chemistry minor at OSU, should take the CHEM 204 - 206 sequence for general chemistry, the CHEM 334 - 336 sequence, and CHEM 338 & 339 at EOU. CHEM 338 & 339 serve as a substitute for CH 337 at OSU only if all organic lecture courses and labs above are taken at EOU.

Selected other courses

EOU	EOU	EOU		OSU	OSU	OSU Title	Cr
CHEM	320	ANALYTICAL CHEMISTRY		CH	UDT	ANALYTICAL CHEMISTRY	3
CHEM	321	ANALYTICAL CHEM LAB		CH	UDT	ANALYTICAL CHEM LAB	2
CHEM	340	PHYSICAL CHEMISTRY		CH	UDT	PHYSICAL CHEMISTRY	4
CHEM	360	ENVIRONMENTAL CHEMISTRY		CH	390	ENVIRONMENTAL CHEMISTRY	3
			PLUS	CH	UDT	GENERAL CREDITS	1
CHEM	361	ENVIRONMENTAL CHEMISTRY LAB		CH	UDT	ENVIRONMENTAL CHEMISTRY LAB	1

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU in areas other than organic chemistry. None of these courses will count as a lab course for the chemistry minor.

rev 5/5/10

Oregon Institute of Technology (OIT)

Do not meet requirements for college general chemistry or as a prerequisite for CH 331 & 336 at OSU.

OIT	OIT	OIT		OSU	OSU	OSU	credits
CHE	100	CONSUMER CHEMISTRY		CH	LDT	CONSUMER CHEMISTRY	3
CHE	101	ELEMENTARY CHEMISTRY I		CH	LDT	ELEMENTARY CHEMISTRY I	3
CHE	102	ELEMENTARY CHEMISTRY II		CH	LDT	ELEMENTARY CHEMISTRY II	3
CHE	103	ELEMENTARY CHEMISTRY III		CH	LDT	ELEMENTARY CHEMISTRY III	3
CHE	104	ELEMENTARY CHEMISTRY LAB		CH	LDT	*PS: ELEMENTARY CHEMISTRY LAB	1
CHE	105	ELEMENTARY CHEM LAB		CH	LDT	*PS: ELEMENTARY CHEM LAB	1
CHE	106	ELEMENTARY CHEM LAB		CH	LDT	*PS: ELEMENTARY CHEM LAB	1
CHE	201	GENERAL CHEMISTRY		CH	201	CHEMISTRY FOR ENGINEERING MAJ	3
CHE	202	GENERAL CHEMISTRY		CH	202	CHEMISTRY FOR ENGINEERING MAJ	3
CHE	204	GENERAL CHEMISTRY LAB		CH	LDT	*PS: GENERAL CHEMISTRY LAB	1
CHE	205	GENERAL CHEMISTRY LAB		CH	205	*PS: Laboratory for Chemistry 202	1
CHE	210	CLINICAL PHARMACOLOGY		CH	LDT	CLINICAL PHARMACOLOGY	3

Do meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

OIT	OIT	OIT		OSU	OSU	OSU	credits
CHE	221	GENERAL CHEMISTRY		CH	221	*GENERAL CHEMISTRY	5
CHE	222	GENERAL CHEMISTRY		CH	222	*GENERAL CHEMISTRY	5
CHE	223	GENERAL CHEMISTRY		CH	223	*GENERAL CHEMISTRY	5

OIT students who plan to transfer to OSU and need general chemistry for their major at OSU, including chemistry, science and pre-health majors, should take the CHEM 221 - 223 sequence at OIT. CH 223 is the acceptable pre-requisite for CH 331 or CH 334 at OSU.

Organic Chemistry Sequences

OIT	OIT	OIT		OSU	OSU	OSU	credits
CHE	331	ORGANIC CHEMISTRY I		CH	331	ORGANIC CHEMISTRY	4
CHE	332	ORGANIC CHEMISTRY II		CH	337	ORGANIC CHEMISTRY LAB	4
CHE	333	ORGANIC CHEMISTRY III		CH	332	ORGANIC CHEMISTRY	4

Completion of the complete CH 331 - 333 sequence will be considered as a valid substitute for the organic chemistry courses CH 331, 332, & 337 at OSU in all programs that require the this OSU sequence and also as three UD CH courses in organic chemistry (one course counting as a lab course) for the requirements for the chemistry minor at OSU.This articulation for organic chemistry is only valid if the entire organic sequence is taken and transferred because there is not a direct correspondence between individual courses. If only CH 331 is taken at OIT and transferred, a student must start with CH 331 at OSU. If only CH 331 and 332 are transferred, a student must still take CH 332 and CH 337 to complete the non-majors organic sequence at OSU. The entire organic sequence must be taken to provide the equivalent of one "upper division laboratory course in chemistry" for the chemistry minor.

Selected other Courses

OIT	OIT	OIT		OSU	OSU	OSU	credits
CHE	315	Environmental Chemistry and Toxicology		CH	390	Environmental Chemistry	3
CHE	342	Instrumental Methods/Data Acquisition II		CH	UDT	Instrumental Methods/Data Acquisition II	4

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU in areas other than organic chemistry. None of these courses will count as a lab course for the chemistry minor.

Portland State University (PSU)

Do not meet requirements for college general chemistry or as a prerequisite for CH 331 & 336 at OSU.

PSU	PSU	PSU	OSU	OSU	OSU	cr
CH	104	INTRODUCTORY CHEMISTRY I	CH	LDT	INTRODUCTORY CHEMISTRY I	4
CH	105	INTRODUCTORY CHEMISTRY II	CH	LDT	INTRODUCTORY CHEMISTRY II	4

CH	106	INTRODUCTORY CHEMISTRY III	CH	LDT	INTRODUCTORY CHEMISTRY III	4
CH	107	INTRO CHEMISTRY LAB I	CH	LDT	*PS: INTRO CHEMISTRY LAB I	1
CH	108	INTRO CHEMISTRY LAB II	CH	LDT	*PS: INTRO CHEMISTRY LAB II	1
CH	109	INTRO CHEMISTRY LAB III	CH	LDT	*PS: INTRO CHEMISTRY LAB III	1

Do meet requirements for college general chemistry or as a prerequisite for CH 331 & 336 at OSU.

After 2009

PSU	PSU	PSU	OSU	OSU	OSU	cr
CH	221	GENERAL CHEMISTRY I	CH	231	GENERAL CHEMISTRY	4
CH	222	GENERAL CHEMISTRY II	CH	232	GENERAL CHEMISTRY	4
CH	223	GENERAL CHEMISTRY III	CH	233	GENERAL CHEMISTRY	4
CH	227	GENERAL CHEMISTRY LABORATORY	CH	261	GENERAL CHEMISTRY LAB	1
CH	228	GENERAL CHEMISTRY LABORATORY	CH	262	GENERAL CHEMISTRY LAB	1
CH	229	GENERAL CHEMISTRY LABORATORY	CH	263	GENERAL CHEMISTRY LAB	1

PSU students who plan to transfer to OSU and need general chemistry for their major at OSU, including science and pre-health majors, should take the CH 221 - 223 sequence with the labs CH 227-229 at PSU. The combination of CH 223 & 229 is the pre-requisite for CH 331 or CH 334 at OSU. CH 221 & 227 is an acceptable pre-requisite for CH 122 or CH 222 at OSU.

After 2009, overrides are not required to enroll in advanced chemistry courses because OSU added the option of a separate lecture and lab for general chemistry

Before 2010

PSU	PSU	PSU	OSU	OSU	OSU	cr
CH	221	GENERAL CHEMISTRY I	CH	LDT	GENERAL CHEMISTRY I	4
CH	222	GENERAL CHEMISTRY II	CH	LDT	GENERAL CHEMISTRY II	4
CH	223	GENERAL CHEMISTRY III	CH	LDT	GENERAL CHEMISTRY III	4
CH	227	GENERAL CHEMISTRY LABORATORY	CH	LDT	*PS: GENERAL CHEMISTRY LAB	1
CH	228	GENERAL CHEMISTRY LABORATORY	CH	LDT	*PS: GENERAL CHEMISTRY LAB	1
CH	229	GENERAL CHEMISTRY LABORATORY	CH	LDT	*PS: GENERAL CHEMISTRY LAB	1

Before 2010, the separate lecture and lab parts of general chemistry at PSU did not articulate with OSU numbers (they articulated with a LDT CH designation). In this case registration overrides for CH 331 or CH 334 must be requested from the OSU chemistry department. If the general chemistry sequence was not completed, registration overrides for CH 122, 123, 222, or 223 must be requested from the OSU chemistry department. Completion of the CH 221 - 223 sequence with the labs CH 227 - 229 at PSU will be considered as "equivalent" or a valid substitute for the CH 221-223 general chemistry sequence at OSU in all programs that require the CH 221 - 223 sequence.

Organic Chemistry Sequence

PSU	PSU	PSU		OSU	OSU	OSU	cr
CH	331	ELEM ORGANIC CHEM I		CH	331	ORGANIC CHEMISTRY	4
CH	332	ELEM ORGANIC CHEM II		CH	332	ORGANIC CHEMISTRY	4
CH	334	ORGANIC CHEM I		CH	334	ORGANIC CHEMISTRY	4
			AND	CH	UDT	GENERAL CREDIT	1
CH	335	ORGANIC CHEM II		CH	335	ORGANIC CHEMISTRY	4
			AND	CH	UDT	GENERAL CREDIT	1
CH	336	ORGANIC CHEM III		CH	336	ORGANIC CHEMISTRY	4
			AND	CH	UDT	GENERAL CREDIT	1
CH	337	ORGANIC CHEM LAB I		CH	LDT	ORGANIC CHEM LAB I	2
CH	338	ORGANIC CHEM LAB II		CH	337	ORGANIC CHEMISTRY LABORATORY	2
CH	339	ORGANIC CHEM LAB II		CH	361	Experimental Chemistry I	3

Note that only the second organic chemistry laboratory course (CHEM 338) articulates to OSU as CH 337 as 2 cr (not 4 cr as at OSU). To fulfill the OSU requirement of a chemistry minor with CH 337 or of a major that requires CH 337, a transfer student from PSU must have take and transfer both CH 337 and CH 338 from PSU.

Transfer Chemistry majors should take CH 334 - 336 & CH 337, 338, & 339 at PSU.

Selected other Courses

PSU	PSU	PSU		OSU	OSU	OSU	cr
CH	320	QUANTITATIVE ANALYSIS		CH	UDH	QUANTITATIVE ANALYSIS	4
CH	321	QUANTITATIVE ANALYSIS LAB		CH	UDT	QUANTITATIVE ANALYSIS LAB	2
CH	426	INSTRUMENTAL ANALYSIS		CH	UDT	INSTRUMENTAL ANALYSIS	4
CH	427	INSTRUMENTAL ANALYSIS LAB		CH	UDT	INSTRUMENTAL ANALYSIS Lab	2
CH	411	CHEMICAL BONDING		CH	411	INORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDITS	1
CH	412	ADV INORGANIC CHEMISTRY		CH	412	INORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDITS	1
CH	436	SPECTROMETRIC ANALYSIS		CH	435	STRUCTURE DETERMINATION BY SPECTROSCOPIC METHODS	3
CH	440	PHYSICAL CHEMISTRY		CH	440	PHYSICAL CHEMISTRY	3
CH	441	PHYSICAL CHEMISTRY		CH	441	PHYSICAL CHEMISTRY	3
CH	442	PHYSICAL CHEMISTRY		CH	442	PHYSICAL CHEMISTRY	3

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU. All courses except CH 436 from PSU are considered to be in areas other than organic chemistry. None of these courses will count as a lab course for the chemistry minor.

Southern Oregon University (SOU)

Do not meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

SOU	SOU	SOU		OSU	OSU	OSU	Cr

CH	100	FUNDAMENTALS OF CHEMISTRY		CH	LDT	FUNDAMENTALS OF CHEM	4
CH	101	ENVIRONMENTAL CHEMISTRY		CH	LDT	ENVIRONMENTAL CHEMISTRY	4
CH	195	CHEMICAL PROBLEM SOLVING		CH	LDT	CHEMICAL PROBLEM SOLVING	1
CH	196	CHEMICAL PROBLEM SOLVING		CH	LDT	CHEMICAL PROBLEM SOLVING	1
CH	197	CHEMICAL PROBLEM SOLVING		CH	LDT	CHEMICAL PROBLEM SOLVING	1

Do meet requirements for college general chemistry or as a prerequisite for CH 331 & 336 at OSU.

After 2009

SOU	SOU	SOU		OSU	OSU	OSU	Cr
CH	201	GENERAL CHEMISTRY		CH	231	GENERAL CHEMISTRY	3
CH	202	GENERAL CHEMISTRY		CH	232	GENERAL CHEMISTRY	3
CH	203	GENERAL CHEMISTRY		CH	233	GENERAL CHEMISTRY	3
CH	204	GENERAL CHEMISTRY LAB		CH	261	*PS: GENERAL CHEMISTRY LAB	1
CH	205	GENERAL CHEMISTRY LAB		CH	262	*PS: GENERAL CHEMISTRY LAB	1
CH	206	GENERAL CHEMISTRY LAB		CH	263	*PS: GENERAL CHEMISTRY LAB	1

Extra lab credit appears as CH LDT

SOU students who plan to transfer to OSU and need general chemistry for their major at OSU, including chemistry, science and pre-health majors, should take the CH 201 - 203 sequence with the labs CH 204-206 at SOU. The combination of CH 203 & 206 is the pre-requisite for CH 331 or CH 334 at OSU. CH 201 + 204 is an acceptable pre-requisite for CH 122 or CH 222 at OSU. After 2009, overrides are not required to enroll in advanced chemistry courses because OSU added the option of a separate lecture and lab for general chemistry

Before 2010

SOU	SOU	SOU		OSU	OSU	OSU	Cr
CH	201	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	3
CH	202	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	3
CH	203	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	3
CH	204	GENERAL CHEMISTRY LAB		CH	LDT	*PS: GENERAL CHEMISTRY LAB	2
CH	205	GENERAL CHEMISTRY LAB		CH	LDT	*PS: GENERAL CHEMISTRY LAB	2
CH	206	GENERAL CHEMISTRY LAB		CH	LDT	*PS: GENERAL CHEMISTRY LAB	2

Before 2010, the separate lecture and lab parts of general chemistry at SOU did not articulate with OSU numbers (they articulated with a LDT CH designation). In this case registration overrides for CH 331 or CH 334 must be requested from the OSU chemistry department. If the general chemistry sequence was not completed, registration overrides for CH 122, 123, 222, or 223 must be requested from the OSU chemistry department. Completion of the CH 201 - 203 sequence with the labs CH 204-206 at SOU will be considered as "equivalent" or a valid substitute for the CH 221 - 223 general chemistry sequence at OSU in all programs that require the CH 221 - 223 sequence. If a student from SOU transfers only CH 201 - 203 without the laboratory courses, the courses will not count as bacc core courses nor as a complete general chemistry sequence.

Organic Chemistry Sequences

SOU	SOU	SOU		OSU	OSU	OSU	Cr
CH	331	PRINC OF ORGANIC CHEMISTRY		CH	331	ORGANIC CHEMISTRY	4
CH	332	PRINC OF ORGANIC CHEMISTRY		CH	332	ORGANIC CHEMISTRY	3
CH	334	ORGANIC CHEMISTRY		CH	334	ORGANIC CHEMISTRY	3
CH	335	ORGANIC CHEMISTRY		CH	335	ORGANIC CHEMISTRY	3
CH	336	ORGANIC CHEMISTRY		CH	336	ORGANIC CHEMISTRY	3
CH	337	INTRO ORGANIC CHEM LAB		CH	337	ORGANIC CHEMISTRY LABORATORY	2
CH	338	PRIN OF ORGANIC CHEM LAB		CH	337	ORGANIC CHEMISTRY LABORATORY	2

Both CH 337 & CH 338 articulate to OSU CH 337. The SOU courses are 2 credits while the OSU CH 337 is 4 credits. The chemistry minor audit and audits for majors requiring CH 337 will work if both courses are articulated because the audit checks for at least 3 total credits of CH 337. The course combination of CH 337 & CH 338 satisfies the chemistry minor requirement for an UD lab course (3 or more cr) in the chemistry minor audit.

Selected other Courses

SOU	SOU	SOU		OSU	OSU	OSU	Cr
CH	340	ORGANIC SPECTROSCOPY		CH	UDT	ORGANIC SPECTROSCOPY	3
CH	341	ORGANIC CHEM LAB		CH	UDT	ORGANIC CHEM LAB	2
CH	371	COMPUTER APPLICATIONS IN CHEM		CH	UDT	COMPUTER APPLICATIONS IN CHEM	3
CH	411	INORGANIC CHEMISTRY		CH	411	INORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	421	ANALYTICAL CHEMISTRY		CH	UDT	ANALYTICAL CHEMISTRY	3
CH	422	ANALYTICAL CHEMISTRY LAB		CH	UDT	ANALYTICAL CHEMISTRY LAB	1
CH	425	INSTRUMENTAL ANALYSIS		CH	UDT	INSTRUMENTAL ANALYSIS	3
CH	426	INSTRUMENTAL ANALYSIS LAB		CH	UDT	INSTRUMENTAL ANALYSIS LAB	1
CH	427	ADV INSTRUMENTAL ANALYSIS LAB		CH	UDT	ADV INSTRUMENTAL ANALYSIS LAB	1
CH	441	PHYSICAL CHEMISTRY		CH	440	PHYSICAL CHEMISTRY	3
CH	442	PHYSICAL CHEMISTRY		CH	442	PHYSICAL CHEMISTRY	3
CH	443	PHYSICAL CHEMISTRY		CH	441	PHYSICAL CHEMISTRY	3

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU. 3-cr courses other than CH 340 or 341 are considered to be in an area other than organic chemistry. None of these courses will count as a lab course for the chemistry minor.

SOU CH 421 and CH 425 as a pair will be considered as "equivalent" and or a valid substitute for to OSU CH 421 and CH 422 (required for chemistry majors).

University of Oregon (UO)

Do meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

After 2009

UO	UO	UO		OSU	OSU	OSU	cr
CH	221	GENERAL CHEMISTRY		CH	231	GENERAL CHEMISTRY	4

CH	222	GENERAL CHEMISTRY		CH	232	GENERAL CHEMISTRY	4
CH	223	GENERAL CHEMISTRY		CH	233	GENERAL CHEMISTRY	4
CH	224H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	225H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	226H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	227	GEN CHEMISTRY LAB		CH	261	GEN CHEMISTRY LAB	1
CH	228	GEN CHEMISTRY LAB		CH	262	GEN CHEMISTRY LAB	1
CH	229	GEN CHEMISTRY LAB		CH	263	GEN CHEMISTRY LAB	1
CH	237	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2
CH	238	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2
CH	239	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2

Extra lab credit appears as CH LDT

UO students who plan to transfer to OSU and need general chemistry for their major at OSU, including chemistry, science and pre-health majors, should take the CH 221 - 223 sequence with the labs CH 227-229 at UO.

After 2009, overrides for general chemistry are not required to enroll in advanced chemistry courses because OSU added the option of a separate lecture and lab for general chemistry

Before 2010

UO	UO	UO		OSU	OSU	OSU	cr
CH	221	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	4
CH	222	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	4
CH	223	GENERAL CHEMISTRY		CH	LDT	GENERAL CHEMISTRY	4
CH	224H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	225H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	226H	HONORS GEN CHEMISTRY		CH	LDT	PS: HONORS GEN CHEMISTRY	4
CH	227	GEN CHEMISTRY LAB		CH	LDT	*PS: GEN CHEMISTRY LAB	2
CH	228	GEN CHEMISTRY LAB		CH	LDT	*PS: GEN CHEMISTRY LAB	2
CH	229	GEN CHEMISTRY LAB		CH	LDT	*PS: GEN CHEMISTRY LAB	2
CH	237	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2
CH	238	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2
CH	239	ADV GEN CHEMISTRY LAB		CH	LDT	*PS: ADV GEN CHEMISTRY LAB	2

Before 2010,the separate lecture and labs of general chemistry did not articulate to OSU course numbers. Registration overrides must be requested from the chemistry department. If the general chemistry sequence is not completed, registration overrides for CH 122, 123, 222, or 223 must be requested from the OSU chemistry department. Completion of the CH 221 - 223 sequence with the labs CH 227-229 at UO will be considered as "equivalent" or a valid substitute for the CH 221-223 general chemistry sequence at OSU in all programs that require the CH 221-223 sequence. If a student from UO transfers only CH 221 - 223 without the laboratory courses, the courses will not count as bacc core courses nor as a complete general chemistry sequence. The combination of CH 223 & 229 is the pre-requisite for CH 331 or CH 334 at OSU. CH 211 + 227 is an acceptable pre-requisite for CH 122 or CH 222 at OSU.

Likewise completing CH 224H - 226H plus the labs CH 237 - 239 at the UO will be considered as "equivalent" or a valid substitute for the CH 224-226 honors general chemistry sequence at OSU in all programs that accept the CH 224 - 226 sequence. This artuculation has not changed.

Organic Chemistry Sequences - revised 11/11

UO	UO	UO		OSU	OSU	OSU	cr
CH	331	ORGANIC CHEMISTRY I		CH	331	ORGANIC CHEMISTRY	4
CH	332	ORG CHEM OF BIOL MOLECULES		CH	UDT	ORG CHEM OF BIOL MOLECULES	4
CH	335	ORGANIC CHEM II		CH	335	ORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	336	ORGANIC CHEM III		CH	336	ORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	337	ORGANIC CHEM LAB		CH	337	ORGANIC CHEMISTRY LABORATORY	3
CH	338	ORGANIC CHEM LAB		CH	UDT	ORGANIC CHEMISTRY LABORATORY	3
CH	339	ORGANIC ANALYSIS		CH	UDT	ORGANIC ANALYSIS	4

CH 332 and CH 339 at UO do not have content similar to any OSU organic chemistry courses.

For chemistry majors, CH 337 and CH 338 at UO meet the OSU requirement of CH 361. The OSU lab course has two labs a week while the UO lab courses have 1 lab a week.

Advice for students who plan to transfer organic chemistry from UO to OSU:

OSU major	OSU requirement for major	Take at UO [a]	Articulation from UO to OSU
Non-chemistry major (e.g., biology)	CH 331, 332, & 337 – 12 cr	CH 331, 335, 337 - 11 cr	CH 331, 335, 337
Chemistry or biochemistry major	CH 334, 335, 336 & 361 – 12 cr	CH 331, 335, 336, 337, 338 - 16 cr	CH 331, 335, 336, 337, CH UDT (3 cr)

[a] If a pre-health major that transfers to OSU needs a minimum of 12 cr of 'organic chemistry', the student could add CH 338 or CH 336 at UO

Selected other Courses

UO	UO	UO		OSU	OSU	OSU	cr
CH	411	PHYSICAL CHEMISTRY		CH	440	PHYSICAL CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	412	PHYSICAL CHEMISTRY		CH	442	PHYSICAL CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	413	PHYSICAL CHEMISTRY		CH	441	PHYSICAL CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	429	INSTRUMENTAL ANALYSIS		CH	324	Quantitative Analysis	4
			AND	CH	UDT	GENERAL CREDIT	1
CH	431	INORGANIC CHEMISTRY		CH	411	INORGANIC CHEMISTRY	3
			AND			GENERAL CREDIT	1
CH	432	INORGANIC CHEMISTRY		CH	412	INORGANIC CHEMISTRY	3
			AND			GENERAL CREDIT	1

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU in areas other than organic chemistry. CH 429 from UO serves as an UD lab course for the chemistry minor.

Western Oregon University (WOU)

Do not meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

WOU	WOU	WOU		OSU	OSU	OSU	Cr
CH	104	INTRO CHEMISTRY		CH	LDT	*PS: INTRO CHEMISTRY	4
CH	105	INTRO CHEMISTRY		CH	LDT	*PS: INTRO CHEMISTRY	4
CH	106	INTRO CHEMISTRY		CH	LDT	*PS: INTRO CHEMISTRY	4

Previously CH 105 and 106 (part of GOB sequence) articulated to OSU as CH 122 and CH 123.

Do meet requirements for college general chemistry or as a prerequisite for CH 331 at OSU.

WOU	WOU	WOU		OSU	OSU	OSU	Cr
CH	221	GENERAL CHEMISTRY		CH	221	*GENERAL CHEMISTRY	4
CH	222	GENERAL CHEMISTRY		CH	222	*GENERAL CHEMISTRY	4
CH	223	GENERAL CHEMISTRY		CH	223	*GENERAL CHEMISTRY	4

WOU students who plan to transfer to OSU and need general chemistry for their major at OSU, including chemistry, science and pre-health majors, should take the CHEM 221 - 223 sequence at WOU. CH 223 is the acceptable pre-requisite for CH 331 or CH 334 at OSU.

Organic Chemistry Sequences

revised Spring 2012

WOU	WOU	WOU		OSU	OSU	OSU	Cr
CH	334	ORGANIC CHEMISTRY		CH	334	ORGANIC CHEMISTRY	3
CH	335	ORGANIC CHEMISTRY		CH	335	ORGANIC CHEMISTRY	3
CH	336	ORGANIC CHEMISTRY		CH	336	ORGANIC CHEMISTRY	3
CH	337	LAB: ORGANIC CHEMISTRY I		CH	UDT	General Credit	1
CH	338	LAB: ORGANIC CHEMISTRY II		CH	337	ORGANIC CHEMISTRY LABORATORY	2

WOU students who plan to transfer to OSU and need general chemistry for their major at OSU, including chemistry, science and pre-health majors, should take the CHEM 221 - 223 sequence at WOU. CH 223 is the acceptable pre-requisite for CH 331 or CH 334 at OSU.

Before Fall 2010, the articulation was

WOU	WOU	WOU		OSU	OSU	OSU	Cr
CH	334	ORGANIC CHEMISTRY		CH	334	ORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	335	ORGANIC CHEMISTRY		CH	335	ORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1
CH	336	ORGANIC CHEMISTRY		CH	336	ORGANIC CHEMISTRY	3
			AND	CH	UDT	GENERAL CREDIT	1

Completion of the CH 334 , 335, 336, CH 337 and 338 will be considered as a valid substitute for the organic chemistry courses CH 331, 332, & 337 at OSU in all programs that require the this OSU sequence and also as three UD CH courses in organic chemistry (one course counting as a lab course) for the requirements for the chemistry minor at OSU. Both labs must be taken to count CH 337 at WOU as CH 337 at OSU.

Selected other Courses

WOU	WOU	WOU		OSU	OSU	OSU	Cr
CH	312	QUANTITATIVE ANALYSIS		CH	UDT	QUANTITATIVE ANALYSIS	4
CH	313	INSTRUMENTAL ANALYSIS		CH	UDT	INSTRUMENTAL ANALYSIS	4
CH	340	ELEMENTARY PHYSICAL CHEMISTRY		CH	UDT	ELEMENTARY PHYSICAL CHEMISTRY	4
CH	354	COMPUTATIONAL CHEMISTRY		CH	UDT	COMPUTATIONAL CHEMISTRY	2
CH	360	NUCLEAR CHEMISTRY		CH	UDT	NUCLEAR CHEMISTRY	3
CH	371	ENVIRONMENTAL CHEMISTRY		CH	390	ENVIRONMENTAL CHEMISTRY	3
CH	411	ADV INORGANIC CHEMISTRY		CH	411	INORGANIC CHEMISTRY	3
CH	412	ADV INORGANIC CHEMISTRY		CH	412	INORGANIC CHEMISTRY	3
CH	440	PHYSICAL CHEMISTRY I		CH	440	PHYSICAL CHEMISTRY	3
CH	441	PHYSICAL CHEMISTRY II		CH	442	PHYSICAL CHEMISTRY	3
CH	471	CHEMICAL INSTRUMENTATION		CH	UDT	CHEMICAL INSTRUMENTATION	4

Any of the above courses of 3 or more credits can be used for the UD CH requirement for the chemistry minor at OSU. 3-cr courses other than CH 340 or 341 are considered to be in an area other than organic chemistry. WOU CH 312 and CH 313 as a pair can be used as two UD CH courses (one counting as a lab course) for the requirements for the chemistry minor at OSU.

WOU CH 312 and CH 313 as a pair will be considered as "equivalent" and or a valid substitute for to OSU CH 421 and CH 422 (required for chemistry majors).

WOU CH 320, INTRO TO FORENSIC SCIENCE, is not considered an acceptable course for the chemistry minor as it does not fit into one of the primary areas of chemistry (organic, physical, analytical, inorganic, or nuclear) and the topics would be primarily taught in other departments at OSU.

Additional information:

Explanation of terms: LDT CH indicates that the one or more of the courses in the sequence transfer with no equivalent OSU number. These courses transfer as lower division transfer (LDT) or upper division credit transfer (UDT) chemistry (CH) credits with the course title and number of credits being the same as the original course. PS denotes a physical science courses and * denotes a baccalaureate core course at OSU.

revised by J Ingle 04/13/2012