



SEATTLE COLLEGES

Central · North · South · SVI

CHEM&121 - Intro To Chemistry

Document Type: Master Course Outline

Proposal Type: Revision

Requester(s): Emily C Sprafka Coleman Jake Ruel Ashcraft Jc Clapp

College: South

Origination Approved: 10/17/2016 - 3:31 PM

BASIC INFORMATION

Requester(s): Emily C Sprafka Coleman
Jake Ruel Ashcraft
Jc Clapp

College: South Seattle College

Division/Dept: Academic Programs

Dean: Jc Clapp

Peer Reviewer(s): Jake Ruel Ashcraft
Marie E Villarba

COURSE INFORMATION

Proposed Course Number:

Prefix: **CHEM&** Number: **121**

Request a new Prefix

This will be a common course

Full Title: Intro To Chemistry

Abbreviated Title: Intro To Chemistry

Catalog Course Description:

Introduction to the qualitative and quantitative principles of inorganic chemistry including bonding, stoichiometry, gas laws, and acid/base topics for non-science majors and students enrolled in allied health science programs. Lab course.

Course Length: 11 Weeks Request an Exception

Topical Outline:

- The Scientific Method
- Measurements and the metric system
- Dimensional analysis and problem-solving
- Matter and energy
- Atomic theory
- Chemical bonding and intermolecular forces
- Chemical nomenclature
- Chemical reactions
- Mole concept and stoichiometry

- Solutions and concentration
- Acid-base reactions and pH
- Kinetics and equilibrium
- Nuclear chemistry

COURSE CODING

Funding Source: 1.....State

Institutional Intent: 11.....Academic Transfer

Select the Distribution Area of the AA Degree that this course will satisfy, if applicable:

Distribution Areas

Natural World

Will this course transfer to a 4-year university?

Yes

Please Describe:

The course transfers to the University of Washington as CHEM 120

Is this course designed for Limited English Proficiency?

No

Is this course designed for Academic Disadvantaged?

No

Does this course have a Workplace Training component?

No

CIP Code: 40.0501

Request Specific CIP Code

Credits:

Will this course be offered as Variable Credit?

No

No

List Course Contact Hours

Lecture (11 Contact Hours : 1 Credit)	33
Lab (22 Contact Hours : 1 Credit)	44
Clinical Work (33 Contact Hours : 1 Credit)	0
Other (55 Contact Hours : 1 Credit)	0
Total Contact Hours	77
Total Credits	5

This is to certify that the above criteria have all been met and all statements are accurate to the best of my knowledge.

Faculty involved in originating this program:

Emily C Sprafka Coleman Print Name	<i>Emily C Sprafka Coleman</i> Signature	7/6/2016 Date
Jake Ruel Ashcraft Print Name	<i>Jake Ruel Ashcraft</i> Signature	7/6/2016 Date
Jc Clapp Print Name	<i>Jc Clapp</i> Signature	7/6/2016 Date

Dean:

Jc Clapp Print Name	<i>Jc Clapp</i> Signature	3/29/2016 Date
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Results of SSCC Curriculum Coordinating Council Findings

Participating Faculty Response and Remarks

- Recommended for approval
 Not recommended for approval

Chairman, Curriculum Coordinating Council:

Mary Elizabeth Beans Print Name	<i>Mary Elizabeth Beans</i> Signature	10/15/2016 Date
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Vice President for Instruction:

Peter H Lortz Print Name	<i>Peter H Lortz</i> Signature	10/17/2016 Date
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