| Ventura College | **Department: Chemistry**<br><br>For each course, use an x to identify the core competencies that are given a major emphasis and are measured. | CHEM V01A | CEHM V01AL | CHEM V01B | CHEM V01BL | CHEM V05 | CHEM V10 | CHEM V10L | CHEM V12A | CHEM V12AI | CHEM V12B | CHEM V12BL | CHEM V20 | CHEM V20L | CHEM V21 | CHEM V21L | | | | |
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| Communication | 1.1 Read, retain, and apply published ideas | | | | | | | | | | | | | | | | | | | |
| | 1.2 Write clearly and accurately | | | | | | | | | | | | | | | | | | | |
| | 1.3 Speak clearly in formal and informal settings | | | | | | | | | | | | | | | | | | | |
| | 1.4 Demonstrate active listening skills / effective interpersonal communication | | | | | | | | | | | | | | | | | | | |
| | 1.5 Employ vocabulary of the subject studied | | | | | | | | | | | | | | | | | | | |
| | 1.5 Become proficient in a second language | | | | | | | | | | | | | | | | | | | |
| Information Competency | 2.1 Recognize need for information; clarify the question to be answered | | | | | | | | | | | | | | | | | | | |
| | 2.2 Differentiate between major and minor arguments or ideas | | | | | | | | | | | | | | | | | | | |
| | 2.3 Find and interpret relevant information | | | | | | | | | | | | | | | | | | | |
| | 2.4 Evaluate authority and bias of information | | | | | | | | | | | | | | | | | | | |
| | 2.5 Utilize data to draw conclusions or to create new information | | | | | | | | | | | | | | | | | | | |
| | 2.6 Document sources of information | | | | | | | | | | | | | | | | | | | |
| | 2.7 Use technology to acquire and process information | | | | | | | | | | | | | | | | | | | |
| Critical Thinking | 3.1 Evaluate own beliefs, biases, and assumptions | | | | | | | | | | | | | | | | | | | |
| | 3.2 Evaluate strengths, weaknesses, and fallacies of logic | | | | | | | | | | | | | | | | | | | |
| | 3.3 Apply lessons from the past or learned knowledge to new situations | | | | | | | | | | | | | | | | | | | |
| | 3.4 Apply principles of scientific reasoning to solve problems | | | | | | | | | | | | | | | | | | | |
| | 3.5 Approach problems by choosing from variety of mathematical techniques | | | | | | | | | | | | | | | | | | | |
| | 3.6 Defend a logical hypothesis to explain observed phenomenon | | | | | | | | | | | | | | | | | | | |
| | 3.7 Recognize a problem; devise and implement a plan of action | | | | | | | | | | | | | | | | | | | |
| Creative Expression | 4.1 Express one's self creatively or solve problems in an original way | | | | | | | | | | | | | | | | | | | |
| | 4.2 Collaborate to perform the work of others or to create original work | | | | | | | | | | | | | | | | | | | |
| | 4.3 Apply feedback to improve performance | | | | | | | | | | | | | | | | | | | |
| | 4.4 Evaluate diverse artistic works | | | | | | | | | | | | | | | | | | | |
| Civic Responsibility | 5.1 Demonstrate knowledge of current events and social issues | | | | | | | | | | | | | | | | | | | |
| | 5.2 Work effectively as a leader or participant in group settings | | | | | | | | | | | | | | | | | | | |
| | 5.3 Assume civic, political, or social responsibilities | | | | | | | | | | | | | | | | | | | |
| | 5.4 Identify personal convictions and explore options for putting into practice | | | | | | | | | | | | | | | | | | | |
| | 5.5 Accept responsibility for own actions | | | | | | | | | | | | | | | | | | | |
| | 5.6 Demonstrate respect for diversity of ideas and the rights of others | | | | | | | | | | | | | | | | | | | |
| | 5.7 Exhibit personal, professional, and academic honesty | | | | | | | | | | | | | | | | | | | |
| | 5.8 Display behavior consistent with ethical standards within a discipline | | | | | | | | | | | | | | | | | | | |
| Social Interaction & Life Skills | 6.1 Work as an effective member of a team | | | | | | | | | | | | | | | | | | | |
| | 6.2 Demonstrate etiquette in face-to-face and written communications | | | | | | | | | | | | | | | | | | | |
| | 6.3 Use language as appropriate to the situation | | | | | | | | | | | | | | | | | | | |
| | 6.4 Utilize conflict resolution skills when appropriate | | | | | | | | | | | | | | | | | | | |
| | 6.5 Demonstrate the ability to give and receive constructive feedback | | | | | | | | | | | | | | | | | | | |
| | 6.6 Apply time management skills to complete a task | | | | | | | | | | | | | | | | | | | |
| | 6.7 Develop stress management skills or other skills to maintain health | | | | | | | | | | | | | | | | | | | |