

## Major Curriculum Map and PLOs Alignment Chart

		Core Knowledge	Experimental Design	Christian Connection
<b>Alignment with Westmont Learning Outcomes</b>		3. Critical Thinking 4. Quantitative Literacy	3. Critical Thinking 4. Quantitative Literacy	1. Christian Understanding, Practices, and Affections 5. Competence in Written Communication
<b>Benchmarks</b>		The average performance on ACS National Exams will be in the 60 <sup>th</sup> percentile.	Students will demonstrate their understanding of basic experimental design in a senior level physical chemistry laboratory assessment instrument.	Most students will attain a least an <i>average</i> score (according to our grading rubric) on their integration of faith and learning paper. 30% will attain a <i>strong</i> score or higher.
<b>Means of Assessment</b>		Administer ACS exams.	Administer essay lab exam to seniors in physical chemistry.	Administer essay exam in senior seminar course.
<b>Who is in charge?</b>		Department chair coordinates discussion & work among all chemistry faculty	Instructor of CHM-133-1	Instructor of CHM-195-1
<b>Courses</b>	<b>Core or Elective</b>			
<b>005</b>	CORE	I		I
<b>005L</b>	CORE	I	I	
<b>006</b>	CORE	I		I
<b>006L</b>	CORE	I	I	
<b>101</b>	CORE	D		I
<b>101L</b>	CORE		D	
<b>102</b>	CORE	D		I
<b>102L</b>	CORE		D	
<b>104</b>	CORE	D		D
<b>113</b>	ELECTIVE	D		D
<b>115</b>	ELECTIVE	M		D
<b>121</b>	CORE	D		D

<b>121L</b>	CORE		D	
<b>122</b>	ELECTIVE	D	M	D
<b>130</b>	CORE	M		D
<b>131</b>	ELECTIVE	M		D
<b>132</b>	CORE		M	
<b>133</b>	CORE		M	
<b>135</b>	CORE	M		D
<b>150</b>	ELECTIVE	M		D
<b>160</b>	ELECTIVE	M		D
<b>160L</b>	ELECTIVE		M	
<b>195</b>	CORE			M
<b>198</b>	CORE		M	
<b>199</b>	ELECTIVE		M	