

<b>LEAP</b>	<b>ASBMB</b>
<b>Knowledge of Human Culture and the Physical and Natural World</b>	
<ul style="list-style-type: none"> <li>• Study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding of the fundamentals of chemistry and biology and the key principles of biochemistry and molecular biology</li> </ul>
<b>Intellectual and Practical Skills</b>	
<ul style="list-style-type: none"> <li>• Inquiry and analysis</li> <li>• Critical and creative thinking</li> <li>• Written and oral communication</li> <li>• Quantitative literacy</li> <li>• Information literacy</li> <li>• Teamwork and problem solving</li> </ul>	<ul style="list-style-type: none"> <li>• Ability to assess primary papers critically</li> <li>• Good quantitative skills</li> <li>• Ability to design experiments and understand the limitations of the experimental approach</li> <li>• Ability to interpret experimental data</li> <li>• Ability to design follow-up experiments</li> <li>• Ability to work safely and effectively in a laboratory</li> <li>• Awareness of the available resources and how to use them</li> <li>• Ability to use computers as information and research tools</li> <li>• Ability to collaborate with other researchers</li> <li>• Ability to use oral, written, and visual presentations to present their work to both a science-literate and a science-non-literate audience</li> </ul>
<b>Personal and Social Responsibility</b>	
<ul style="list-style-type: none"> <li>• Civic knowledge and engagement - local and global</li> <li>• Intercultural knowledge and competence</li> <li>• Ethical reasoning and action</li> <li>• Foundations and skills for lifelong learning</li> </ul>	<ul style="list-style-type: none"> <li>• Awareness of the major issues at the forefront of the discipline</li> <li>• Awareness of the ethical issues in the molecular life sciences</li> </ul>
<b>Integrative Learning</b>	
<ul style="list-style-type: none"> <li>• Synthesis and advanced accomplishment across general and specialized fields</li> </ul>	<ul style="list-style-type: none"> <li>• Ability to dissect a problem into its key features</li> <li>• Ability to think in an integrated manner and look at problems from different perspectives</li> </ul>