

# J.J. College of Arts & Science (Autonomous), Pudukkottai

## Department of Chemistry

### B.Sc. Chemistry – USCH

<b>Programme Specific Outcomes</b>	
<b>Upon Completion of the course students would be able to</b>	
<b>PSO 1</b>	<b>Human values, Ethics and Social responsibilities in the context of learning chemistry</b>
<b>PSO 2</b>	<b>The Positive approach towards environmental and ecology from the Chemistry perspective</b>
<b>PSO 3</b>	<b>Critical thinking, Analytical mind and in-depth knowledge in Chemistry</b>
<b>PSO 4</b>	<b>Employability Skills which will enable them to find jobs in core-chemistry fields</b>
<b>PSO 5</b>	<b>Entrepreneurial Skills will be developed in students so as to make them start their own Industries/business in core-chemistry fields</b>
<b>PSO 6</b>	<b>Analytical or Experimental skills doing research tasks in the field of Chemistry</b>

### M.Sc. Chemistry – PSCH

<b>Programme Specific Outcomes</b>	
<b>Upon Completion of the course students would be able to</b>	
<b>PSO 1</b>	<b>Gain complete knowledge about fundamental aspects of all branches of Chemistry</b>
<b>PSO 2</b>	<b>Learn about the potential uses of analytical chemistry, industrial chemistry, Quality control and environmental chemistry.</b>
<b>PSO 3</b>	<b>Apply the various analytical techniques like IR, Mass, NMR and XRD to structural characterization of unknown compounds</b>
<b>PSO 4</b>	<b>Obtain knowledge in spectral, Analytical, Qualitative and Quantitative techniques and contribute new scientific insights or innovative applications of chemical research to the next generation.</b>
<b>PSO 5</b>	<b>Become employable as research associates and junior scientists in reputed laboratories on institutions of higher learning.</b>