

Ph.D. Program in Biochemical Technology, Department of Applied Chemistry  
Chaoyang University of Technology Graduate Course Requirement  
(for the students of day division admitted in the 2022 academic year)

<b>Code</b>	<b>Core courses</b>	<b>Credit</b>
05361	Special Topics and Research in Biomedical Sciences (I)	3
08249	Special Topics and Research in Chemical Technology (III)	3
05364	Special Topics and Research in Biomedical Sciences (IV)	3
08248	Special Topics and Research in Chemical Technology (II)	3
08250	Special Topics and Research in Chemical Technology (IV)	3
05363	Special Topics and Research in Biomedical Sciences (III)	3
08247	Special Topics and Research in Chemical Technology (I)	3
05362	Special Topics and Research in Biomedical Sciences (II)	3
<b>Total:</b>		<b>24</b>
<b>Code</b>	<b>Elective courses</b>	<b>Credit</b>
09094	Environmental Chemistry Principles	3
05869	Advanced Biochemistry	3
05365	Advanced Biostatistics	3
08646	Advance Technical Writing and Communicating	3
08253	Advances in Herbal Biotechnology	3
08735	Advanced Research in Medicinal Mushrooms	3
05160	Advanced Organic Synthesis	3
01813	Advanced Instrumental Analysis	3
08252	Advanced Organic Spectroscopy	3
09093	Environmental Physics Principles	3
01173	Special Topics of Air Pollution	3
04939	Proteomics	3
01763	Advanced Analytical Chemistry	3
10199	Biological Processes of Environmental Engineering	3
08254	Higher Metabolic Engineering	3
08251		3
06617	Cell Biology Technologies for Advanced Study	3
<b>Total:</b>		<b>51</b>
<b>University Requirements</b>		
<b>Core courses</b>	<b>8 courses 12 credits</b>	
<b>Elective courses</b>	<b>Minimum elective 12 credits</b>	
<b>Total requirement</b>	<b>30credits</b>	