

**PEMINDAHAN KREDIT SECARA MENEGAK (VERTIKAL)**  
**SARJANA MUDA TEKNOLOGI KEJURUTERAAN KIMIA DENGAN KEPUJIAN (BTK)**

NO	COURSE CODE	COURSE NAME	INSTITUTION & COURSE
1	BTK1132	CHEMISTRY LABORATORY	<p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b>          DKK1781 BASIC SCIENCE &amp; ENGINEERING LAB AND          DKK1771 ANALYTICAL INSTRUMENTAL LAB OR          DRK1411 BASIC SCIENCE &amp; ENGINEERING LAB AND          DRK2341 ANALYTICAL INSTRUMENTAL LAB</p> <p><b>UNIVERSITI PENDIDIKAN SULTAN IDRIS</b>          SKL1023 TECHNIQUES IN CHEMISTRY LABORATORY</p> <p><b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b>          DAK20601 CHEMICAL ENGINEERING LAB I AND          DAK22101 CHEMICAL ENGINEERING LAB II</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b>          CHM256 BASIC ANALYTICAL CHEMISTRY AND          CHM260 BASIC INSTRUMENTAL ANALYSIS AND          CHM131 GENERAL CHEMISTRY</p>
2	BTK2232	ELECTRICAL TECHNOLOGY	<p><b>TERENGGANU ADV TECHNICAL INS. (TATI)</b>          DMT1013 ELECTRICAL TECHNOLOGY</p> <p><b>POLITEKNIK</b>          DGP10013 ELECTRICAL TECHNOLOGY OR          DGP1013 ELECTRICAL TECHNOLOGY</p> <p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b>          DKK1352 ELECTRICAL TECHNOLOGY OR          DRK1322 ELECTRICAL TECHNOLOGY</p> <p><b>UNIVERSITI PENDIDIKAN SULTAN IDRIS</b>          SFE1023 ELECTRICITY AND MAGNETISM</p> <p><b>UNIVERSITI KUALA LUMPUR</b>          CLD20102 ELECTRICAL TECHNOLOGY</p> <p><b>INSTITUT KEMAHIRAN MARA</b>          DPG30302 ELECTRICAL AND ELECTRONIC FUNDAMENTAL</p>
3	BTK1243	FLUID MECHANICS	<p><b>TERENGGANU ADV TECHNICAL INS. (TATI)</b>          DTC1053 FLUIDS MECHANICS</p> <p><b>POLITEKNIK</b></p>

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			<p>DJJ20073 FLUID MECHANICS <b>OR</b>  DGP2053 FLUID MECHANICS <b>OR</b>  DGP20082 FLUID MECHANICS <b>AND</b>  DGP30161 PROCESS ENGINEERING LABORATORY 1</p> <p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b>  DKK2373 FLUID MECHANICS <b>OR</b>  DRK1133 FLUID MECHANICS</p> <p><b>UNIVERSITI KUALA LUMPUR</b>  CLD10603 FLUID MECHANICS</p> <p><b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b>  DAK 10703 FLUID MECHANICS <b>OR</b>  DAK 22403 MEKANIK BENDALIR/ FLUID MECHANICS <b>OR</b>  DAK12403 FLUID MECHANICS</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b>  CHE233 FLUID MECHANICS</p> <p><b>INSTITUT KEMAHIRAN MARA (IKM10)</b>  DPG21263 FLUID MECHANICS</p>
4	BTK1163	ORGANIC CHEMISTRY	<p><b>TERENGGANU ADV TECHNICAL INS. (TATI)</b>  DTC1043 PHYSICAL AND ORGANIC CHEMISTRY</p> <p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b>  DUK1123 GENERAL CHEMISTRY II</p> <p><b>UNIVERSITI PENDIDIKAN SULTAN IDRIS</b>  SKO1013 PENGENALAN KIMIA ORGANIK</p> <p><b>UNIVERSITI KUALA LUMPUR</b>  CLD 10004 GENERAL CHEMISTRY</p> <p><b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b>  DAK 11303 KIMIA ORGANIK DAN FIZIKAL <b>AND</b>  DAK 22101 CHEMICAL ENGINEERING TECHNOLOGY LAB II <b>OR</b>  DAS 11403 ORGANIC CHEMISTRY</p> <p><b>POLITEKNIK</b>  DGP1023 FUNDAMENTALS OF CHEMISTRY <b>OR</b>  DGC20023 ORGANIC CHEMISTRY</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b>  CHE145 ORGANIC AND ANALYTICALCHEMISTRY</p>

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5	BTK1143	PHYSICAL CHEMISTRY	<p><b>TERENGGANU ADV TECHNICAL INS. (TATI)</b> DTC1033 GENERAL CHEMISTRY</p> <p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b> DUK1113 GENERAL CHEMISTRY I</p> <p><b>UNIVERSITI PENDIDIKAN SULTAN IDRIS</b> SKF1013 INTRODUCTION TO PHYSICAL CHEMISTRY</p> <p><b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b> DAK10303 PHYSICAL CHEMISTRY</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b> CHM271 PRINCIPLES OF PHYSICAL CHEMISTRY <b>OR</b> CHE142 INORGANIC AND PHYSICAL CHEMISTRY</p>
6	BTK1253	THERMODYNAMICS	<p><b>TERENGGANU ADV TECHNICAL INS. (TATI)</b> DTC2073 THERMODYNAMIC</p> <p><b>POLITEKNIK</b> DJJ20063 THERMODYNAMICS <b>OR</b> DGP2043 THERMODYNAMICS</p> <p><b>UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH (UMPSA)</b> DKK2253 THERMODYNAMICS <b>OR</b> DKK2333 THERMODYNAMICS <b>OR</b> DRK1213 THERMODYNAMICS</p> <p><b>UNIVERSITI KUALA LUMPUR</b> CLD20302 THERMODYNAMICS <b>AND</b> CPD 30302 PILOT PLANT OPERATION 2</p> <p><b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b> DAK 10603 THERMODYNAMICS <b>OR</b> DAK 20603 THERMODYNAMICS <b>OR</b> DAK20703 – THERMODYNAMICS</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b> CHE144 CHEMICAL ENGINEERING THERMODYNAMICS</p> <p><b>INSTITUT KEMAHIRAN MARA</b> DPG30313 THERMODYNAMICS</p>
7	BTK1113	ANALYTICAL CHEMISTRY	<b>UNIVERSITI TUN HUSSEIN ONN MALAYSIA (UTHM)</b> DAK 12603 ANALYTICAL CHEMISTRY

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			<p><b>UNIVERSITI KUALA LUMPUR</b>  CLD10402 ANALYTICAL CHEMISTRY AND  CLD10302 ORGANIC CHEMISTRY</p> <p><b>UNIVERSITI TEKNOLOGI MARA (UiTM)</b>  CHM256 BASIC ANALYTICAL CHEMISTRY  CHM260 BASIC INSTRUMENTAL ANALYSIS</p>

Pemindahan Kredit Secara Menegak (Vertikal) merujuk kepada pemindahan kredit daripada satu program ke program lain pada tahap yang lebih tinggi dan tertakluk kepada perubahan silibus kursus *dan kelulusan di peringkat fakulti*