

APPENDIX A : AP/ IB / A-Level Credit Awarding Guidelines

This appendix specifies details of the grades or scores required of students who have completed Advanced Placement, International Baccalaureate and GCE A-Level studies and wish to be awarded transfer credit within the AiCE program.

AP/ IB / A-Level Credit Awarding Guidelines			
CMKL Competencies	IB	AP	A-Level
<i>Humanities, Arts and Social Sciences: People, Places, Cultures (9)</i>			
Global Histories	IB: History (Score: 7)	AP: World History (Score:5)	-
Sociology & Cultural Anthropology	IB: Social & Cultural Anthropology (Score: 6 or 7)	AP: Social & Cultural Anthropology (Score: 4 or 5)	A-Level: Sociology (Score: B or A)
Human Geography	IB: Geography (Score: 6 or 7)	AP: Human Geography (Score: 4 or 5)	A-Level: Geogra- phy (Score: B or A)
Political Studies	IB: Global Politics (Score: 7)	AP: Govern- ment & Politics: Comparative (Score: 4 or 5)	-
Social Psychology	IB: Psychol- ogy (Score: 6 or 7)	AP: Psychol- ogy (Score: 4 or 5)	-
<i>Human-Centered Design: UX Design (10)</i>			
User Experience Design	IB: Design Technology (Score: 6 or 7)	-	-
<i>Humanities, Arts and Social Sciences: Economics (8)</i>			
Behavioral Economics	IB: Economics (Score: 6 or 7)	AP: Eco- nomics Micro and Macro (Score: 5)	A-Level: Eco- nomics (Score: A)
<i>Mathematics: Differential and Integral Calculus (12)</i>			
Differential Calculus (4), Integral Cal- culus (4), Introduction to Optimization (4)	IB: Mathe- matics HL (Score: 6)	AP: Calculus AB and sub score (Score: 5)	A- Level:Mathematics C/Advanced Math (Score:B)
<i>Mathematics: Vector Calculus and Analytical Geometry (12)</i>			
Vector Calculus (6), Analytical Geom- etry (6)	IB: Mathe- matics HL (Score: 7)	*AP: Calculus BC (Score: 5)	*A-Level: Math- ematics C/ Ad- vanced Maths (Score: A)

*Note - Students will be awarded credits for Differential Calculus, Integral Calculus, Introduction to Optimization, Vector Calculus, and Analytical Geometry if they receive an A grade for A-Level: Mathematics C/Advanced Math or a score of 5 in AP: Calculus BC.			
<i>Science: Physics for Engineering students (12)</i>			
Physics I for Engineering Students: Kinematics: describe motion (3), Dynamics: explain motion (3), Energy and Momentum (3), Thermodynamics (3)	IB: Physics (Score: 7)	AP: Physics C-Mechanics (Score: 5)	*A-Level: Physics/Advanced Physics (Score: B or A)
Physics II for Engineering Students: Electricity (4), Magnetism (4), Light and Optics (4)	-	AP: Physics C – Electricity and Magnetism (Score: 5)	*A-Level: Physics/Advanced Physics (score A)
*Note- Students who earn an A grade in A-Level Physics/Advanced Physics will receive credits for Physics I for Engineering Students and Physics II for Engineering Students.			
<i>Science: Biology or Chemistry (12)</i>			
Biology for AI and Engineering (6) & Medical Science for AI Engineering (6)	IB: Biology (Score: 6)	AP: Biology (Score: 5)	A-Level: Biology/Advanced Bio (Score: B)
Chemical Foundations (6) & Chemical Dynamics (6)	IB: Chemistry (Score: 7)	AP: Chemistry (Score: 5)	A-Level: Chemistry/Advanced Chemistry (Score: A)
<i>Software Engineering: Fundamentals of Programming (8)</i>			
Fundamentals of Programming : Algorithmic Thinking & Problem Solving (2) Intro to Programming (6)	IB: Computer Science (Score: 6 or 7)	AP: Computer Science A (Score: 5)	A-Level: Computer Science (Score: A)

Questions about CMKL's AP/ IB/ A-Level Credit Policy may be directed to the University Registrar's Office at cmkregistrar@cmkl.ac.th