

18. Mapping of Program Learning Outcomes to Course												
	COURSES OFFERED	Knowledge and Understanding	Cognitive Skills	Practical Skills	Numeracy Skills	Interpersonal Skills	Communication Skills	Digital Skills	Leadership, Autonomy and Responsibility	Personal Skills	Entrepreneurial Skills	Ethics and Professionalism Skills
Code	Courses	PLO1 KW	PLO2 CG	PLO3 PS	PLO7 NS	PLO4 IPS	PLO5 CS	PLO6 DS	PLO8 LAR	PLO9 PRS	PLO10 ENT	PLO11 ETS
University General Courses (Choose 1)												
ULAJ 6013	Japanese Language						✓					
UMJJ 6013	Basic Japanese language and culture						✓					
Uxxx 6xx3	University General Courses						✓					
Core Courses												
MSCJ 1523 /SSCM5713 (PRISMS)	Methods of Engineering Mathematics	✓	✓				✓					
MSCJ 1533 /SSCM5423 (PRISMS)	Numerical Methods in Engineering	✓	✓			✓		✓	✓			
MSCJ 1543 /SSCM5703 (PRISMS)	Advanced Partial Differential Equations	✓	✓				✓					
MSCJ 1303	Research Methodology	✓	✓				✓	✓			✓	
MSCJ1280	Research Proposal	✓	✓	✓			✓					✓
MSCJ 2180	Dissertation	✓	✓	✓			✓					✓
Choose two courses, at least one engineering or data science course												
Elective Courses (Mathematics)												
MSCJ 1763	Modeling of Dynamical Systems	✓	✓				✓					
MSCM 1143	Fluid Mechanics and Heat Transfer	✓	✓				✓					
MSCJ 1733	Soliton and Nonlinear Waves	✓	✓				✓					
MSCJ1773	Generalized Linear Models with Engineering Applications	✓	✓		✓					✓		
Elective Courses (Engineering / Data Science courses)												
Mxxx xxx3												
Research												
MSCJ xx80	Dissertation	✓	✓	✓			✓					✓
Key: 1. Technical Skills: PLO1, 2, 3 and 7 2. Generic Skills : PLO 4, 5, 6, 8, 9, 10 and 11. * List of University General Courses (preferred ULAJ 6013 or UMJJ 6013) 1. UBSS 6013 : Organization Behaviour and Development 2. UBSS 6023: Business Ethics, Responsibility and Sustainability 3. UHMS 6013: Seminar on Global Development, Economic and Social Issues 4. UHMZ 6023: Malaysian Society and Culture 5. UHIS 6013: Philosophy of Science and Civilization 6. UHPS 6013: Dynamics of Leadership 7. UHLM 6013: Malay Language for Post Graduates 8. URTS 6013: Environmental Ethics 9. UECS 6013: IT Project Management 10. UECS 6023: Introduction to Technopreneurship												