

SENARAI BIDANG KEUTAMAAN BAGI PENGAJIAN SARJANA DAN IJAZAH KEDOKTORAN (Ph.D)
JABATAN KERJA RAYA MALAYSIA SESI 2025/2026

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Civil Engineering	Building	1. Structure Engineering	√	√
			2. Earthquake Engineering	√	√
		Road	3. Bridge	√	√
			4. Pavement	√	√
			5. Hydrology	√	√
			6. Road Safety	√	√
		Geotechnical	7. Earthquake Engineering	√	√
			8. Slope Engineering	√	√
		Transportation & Infrastructure	9. Maritime Engineering	√	√
			10. Airport Engineering	√	√
		Environment	11. Environment Engineering	√	√
		Water	12. Water Engineering	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Electrical Engineering	Electrical System	1. <i>Electrical System Engineering</i>	√	√
			2. <i>Lightning & Surge Protection System</i>	√	√
			3. <i>Power Protection System & Electrical Safety</i>	√	√
			4. <i>Power Quality (Electrical)</i>	√	√
			5. <i>Illumination Engineering</i>	√	√
		Acoustic and Extra Low Voltage System	6. <i>Security System</i>	√	√
			7. <i>Audio System</i>	√	√
			8. <i>SMATV and Visual System</i>	√	√
		Information & Communication Technology	9. <i>Data Center and System Design</i>	√	√
			10. <i>Network System Technologies</i>	√	√
			11. <i>Telecommunication</i>	√	√
		Energy Management	12. <i>Battery Technology and Energy Storage (Electrical)*</i>	√	√
			13. <i>Nuclear Energy Engineering*</i>	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Mechanical Engineering	<i>Mechanics & Metal Trades</i>	1. <i>Material Engineering</i>	√	√
		<i>Mechanical System</i>	2. <i>Mechanical Services in Building</i>	√	√
			3. <i>Noise Control and Vibration</i>	√	√
			4. <i>Fire Engineering</i>	√	√
			5. <i>Heating Ventilation and Air Conditioning</i>	√	√
			6. <i>Fluid Engineering</i>	√	√
			7. <i>Medical Specialist System (Mechanical)*</i>	√	√
		<i>Sustainable in Mechanical Engineering</i>	8. <i>Carbon Emission*</i>	√	√
			9. <i>Green Product Procurement/Specifications/Rating Tools*</i>	√	√
			10. <i>Indoor Environment Quality (IEQ)*</i>	√	√
			11. <i>Alternative Energy*</i>	√	√
		<i>Energy Management</i>	12. <i>Energy Efficiency (Mechanical)</i>	√	√

LAMPIRAN 2

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
<i>Engineering, Manufacturing and Construction</i>	<i>Mechanical Engineering</i>	<i>Energy Management</i>	<i>13. Renewable Energy (Mechanical)</i>	√	√
		<i>Mechanical Engineering Technology</i>	<i>14. Plant & Vehicle Engineering</i>	√	√
		<i>Automation</i>	<i>15. Mechatronic</i>	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Architecture	Universal Design	1. <i>Universal Design and Accessibility</i>	√	√
		Interior Design (ID)	2. <i>ID Works Management</i>	√	√
			3. <i>ID Works in Heritage or Conservation Buildings</i>	√	√
			4. <i>Sustainable ID Design</i>	√	√
			5. <i>ID in Design Technology</i>	√	√
			6. <i>Artificial Intelligence in ID</i>	√	√
		Security Facility Planning & Design	7. <i>Security Facility Planning & Design</i>	√	√
			8. <i>Building Specifications and Space Planning</i>	√	√
		Health Facility Planning & Design	9. <i>Health Facility Planning & Design</i>	√	√
		Landscape	10. <i>Landscape Architecture</i>	√	√
		Other Specialized Building	11. <i>Institutional and Iconic Buildings Design</i>	√	√
			12. <i>Image and Identity</i>	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Architecture	Urban Design & Planning	13. Urban Regeneration		√
			14. Place Making		√
			15. Townscape Development		√
			16. Waterfront Redevelopment		√
			17. Urban Landscape Design		√
			18. Image and Identity		√
		Sustainable Architecture	19. Carbon emission	√	√
			20. Energy Efficiency	√	√
			21. Green Product Procurement / Specifications / Rating Tools	√	√
		Conservation	22. Building adaptation		√
			23. Method of Construction		√
			24. Material		√
		Architectural Multimedia	25. Architectural Multimedia Management	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Quantity Surveying	Costing	1. <i>Construction Economics</i>	√	√
			2. <i>Cost Management</i>	√	√
		Procurement	3. <i>Procurement Management</i>	√	√
			4. <i>Construction Project Procurement</i>	√	√
		Contract Administration	5. <i>Construction Contract</i>	√	√
			6. <i>Financial Management</i>	√	√
			7. <i>Contract Risk Management</i>	√	√
		Contractual Claim	8. <i>Alternative Dispute Resolution</i>	√	√
			9. <i>Adjudication</i>	√	√
		Construction Law	10. <i>Construction Contract Law</i>	√	√

KLUSTER	BIDANG PENGKHUSUSAN / DISIPLIN	BIDANG PERINCIAN / PENGAJIAN	PROGRAM / SUB BIDANG	SARJANA	Ph.D
Engineering, Manufacturing and Construction	Engineering & Engineering Trade	Computer Science & Information Technology	1. <i>Artificial Intelligence & Robotic Engineering</i>	√	√
			2. <i>Internet of Things (IoT)</i>	√	√
			3. <i>Big Data Analytics</i>	√	√
			4. <i>Building Information Technology (BIM)</i>	√	√
			5. <i>Geographic Information System (GIS)</i>	√	√
			6. <i>Cyber Security*</i>	√	√
		Management	7. <i>Project Management</i>	√	√
			8. <i>Disaster Management</i>	√	√
			9. <i>Value Management</i>	√	√
		Built Environment	10. <i>Smart Building</i>	√	√

LAMPIRAN 2

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<i>Engineering, Manufacturing and Construction</i>	<i>Engineering & Engineering Trade</i>	<i>Forensic</i>	<i>11. Forensic Engineering</i>	√	√
			<i>12. Forensic Architecture</i>	√	√
		<i>Transportation & Infrastructure</i>	<i>13. Railway Engineering</i>	√	√

Petunjuk:

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Ditawarkan untuk sesi 2025/2026



Tidak ditawarkan untuk sesi 2025/2026

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Bidang Keutamaan Baru sesi 2025/2026