

# TRAINING CALENDAR (MARCH - DECEMBER 2018)



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## ANNUAL TRAINING PLANNER - MARCH 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		MARCH
1	EEA 173	GPS Positioning with PIC Microcontroller (Microcontroller Configuration)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		5 - 7 March
2	MMF 101	Turning Operation	MACHINING/MANUFACTURING	1,834		7 - 9 March
3	QA 102	7QC Tools for Quality Improvement	QUALITY ASSURANCE	1,092		8 - 9 March
4	MEC 102	Heat Treatment	MECHANICAL	1,834		7 - 9 March
5	EEA 103 (ii)	PLC Programming Siemens S7-300 (SIMATIC S7)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		13 - 15 March
6	MMF 103	CNC Lathe Programming & Machining	MACHINING/MANUFACTURING	1,834		14 - 16 March
7	MMF 133	Advanced CAM	MACHINING/MANUFACTURING	1,590		14 - 16 March
8	HD 105	Basic Mandarin	HUMAN RESOURCE DEVELOPMENT	1,052		14 - 16 March
9	ICT 117	Wireless Communication System Development & Verification	SEMICONDUCTOR/ELECTRICAL, ELECTRONICS & AUTOMATION	1,749		15 - 16 March
10	QA 106	Bills of Material Requirement Planning (BOM & MRP)	QUALITY ASSURANCE	1,092		21 - 21 March
11	EEA 104	Pneumatic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		21 - 23 March
12	MMF 106	EDM Wirecut	MACHINING/MANUFACTURING	1,834		20 - 22 March
13	MMF 130	Product Planning	MACHINING/MANUFACTURING	1,590		21 - 23 March
14	MEC 110	Discovery & Diagnosis of Automotive System	MECHANICAL	1,834		21 - 23 March
15	MEC 108	Mechanical Vibration (Measurement, Analysis & Diagnostic)	MECHANICAL	1,834		27 - 29 March
16	EEA 104 (L3)	Advanced Pneumatic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 March
17	EEA 105 (i)	Hydraulic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 March
18	MMF 115	Mould Design	MACHINING/MANUFACTURING	1,834		28 - 30 March
19	MEC 105	Applied Material	MECHANICAL	1,834		28 - 30 March
20	DS 113	Solidworks Essentials	ENGINEERING DESIGN	1,590		28 - 30 March
21	QA 109	5S Practices at the Workplace	QUALITY ASSURANCE	1,092		29 - 30 March

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## ANNUAL TRAINING PLANNER - APRIL 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		APRIL
1	EEA 174	Advanced Design Systems for RF Microelectronics	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		3 - 5 April
2	EEA 103 (iii)	PLC Programming Omron (CX-Programmer)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		4 - 6 April
3	MMF 104	CNC Milling Programming & Machining	MACHINING/MANUFACTURING	1,834		4 - 6 April
4	MMF 127	Wirecut with MasterCAM	MACHINING/MANUFACTURING	1,834		4 - 6 April
5	MEC 107	Simulations using Finite Element Analysis (FEA)	MECHANICAL	1,834		4 - 6 April
6	MEC 119	TRIZ Level 1 Practitioner Workshop	MECHANICAL	1,092		5 - 6 April
7	EEA 103 (iv)	PLC for Control System(position, speed, level,temperature control)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 April
8	EEA 104 (ii)	Electro Pneumatic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 April
9	MMF 101 (2)	Conventional Turning (Lathe) /Advanced	MACHINING/MANUFACTURING	1,834		11 - 13 April
10	MMF 120 (T)	Towards Lean Manufacturing System	MACHINING/MANUFACTURING	1,590		11 - 13 April
11	QA 108	TQM Awareness	QUALITY ASSURANCE	1,092		12 - 13 April
12	DS 105	Product Development using RP Technology	ENGINEERING DESIGN	1,590		17 - 19 April
13	MET 101	Applied Industrial Metrology	METROLOGY	1,855		17 - 19 April
14	EEA 105 (ii)	Electro Hydraulic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		17 - 19 April
15	EEA 179	PLC for Control System (with Touch Screen Panel)	ELECTRICAL, ELECTRONICS & AUTOMATION	3,180		18 - 20 April
16	MEC 117	Conveyer Design & Machine Maintenance	MECHANICAL	1,834		18 - 20 April
17	DS 107	AutoCAD	ENGINEERING DESIGN	1,590		18 - 20 April
18	ICT 108	Project Management	INFORMATION TECHNOLOGY/COMPUTER SCIENCE	1,590		24 - 26 April
19	EEA 105 (L3)	Advanced Hydraulic Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		24 - 26 April
20	EEA 127	Motion Control Technology	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		25 - 27 April
21	MMF 109	Tool & Die Design Technology	MACHINING/MANUFACTURING	1,834		25 - 27 April
22	MMF 124	Fabrication and Assembly of Differential Drive Wheel Mobile Robot	MACHINING/MANUFACTURING	3,392		25 - 27 April
23	EEA 184	Digital Electronics & Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		26 - 28 April

Training fees only; Accomodation is not included. Please contact us or further information on special arrangements for our trainings. We offer special package for GROUP ENROLMENT

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## ANNUAL TRAINING PLANNER - MAY 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		MAY
1	EEA 107	Basic Electrical Skill	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		2 - 4 May
2	EEA 108	Electrical Device & Control	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		2 - 4 May
3	MMF 114	CNC Turret Punching	MACHINING/MANUFACTURING	1,834		2 - 4 May
4	MMF 116	Mould Fabrication	MACHINING/MANUFACTURING	1,834		2 - 4 May
5	MET 103	Dimensional Metrology	METROLOGY	1,855		2 - 4 May
6	QA 104 (T)	Quality Control and Problem Solving Techniques in Automotive Assembly Operations	QUALITY ASSURANCE	1,092		10 - 11 May

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## ANNUAL TRAINING PLANNER - JUNE 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		JUNE
1	MET 104	Optical Metrology through Profile Projector	METROLOGY	1,855		26 - 28 June
2	DS 109	MasterCAM X6	ENGINEERING DESIGN	1,590		26 - 28 June
3	EEA 106	CNC Installation & Maintenance of Machine Tools	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		26 - 28 June
4	EEA 109	Microprocessor for Industrial Applications	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		26 - 28 June
5	EEA 111	PIC Microcontroller in C Language	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 June
6	EEA 189	Electrical System Design	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 June

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## ANNUAL TRAINING PLANNER - JULY 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		JUNE
1	EEA 143	Arduino Programming using Matlab/Simulink for Control System Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		3 - 5 July
2	MMF 111	Conventional Machine Maintenance	MACHINING / MANUFACTURING	1,834		3 - 5 July
3	MMF 121 (T)	Application of Maynard Operation Sequence Technique (MOST)	MACHINING / MANUFACTURING	1,590		3 - 5 July
4	MMF 132	Welding Technology	MACHINING / MANUFACTURING	2,247		4 - 6 July
5	EEA 115	Assembly and Maintenance of Electrical Systems of Machine Tools	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 July
6	EEA 176	Practical Signal & Image Processing: Theory & Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 July
7	MMF 122 (T)	Single Minutes Exchange of Die (SMED)	MACHINING / MANUFACTURING	1,590		11 - 13 July
8	MEC 112	Non Destructive Test	MECHANICAL	1,834		11 - 13 July
9	EEA 175	PLC OMRON (Analog and Real Time Application)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		17 - 19 July
10	MMF 123 (T)	Value Stream Mapping (VSM) Current and Future State	MACHINING / MANUFACTURING	1,590		17 - 19 July
11	MEC 113	Bearing Technology & Maintenance	MECHANICAL	1,834		18 - 20 July
12	MET 105	Measurement through CMM	METROLOGY	1,855		18 - 20 July
13	DS 104	CATIA	ENGINEERING DESIGN	1,590		18 - 20 July
14	EEA 117 (L2)	Mechatronics (Level 2)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		23 - 25 July
15	EEA 124	Sensor Technology Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		23 - 25 July
16	EEA 126	Advanced Manufacturing Technology	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		24 - 26 July
17	MEC 114	Solidworks Motion & Fluid Flow Simulation	MECHANICAL	1,855		24 - 26 July
18	QA 107	Problem Solving Skill by Using Innovative and Creativity Circle (ICC)	QUALITY ASSURANCE	1,092		24 - 26 July

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## ANNUAL TRAINING PLANNER - AUGUST 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		AUGUST
1	EEA 116	Measurements, Instrumentation & Sensors	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		1 - 3 Aug
2	EEA 132	Troubleshoot & Testing Automation Equipment using Watchdog Timer Method	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		1 - 3 Aug
3	MMF 128	Grinding Technology	MACHINING / MANUFACTURING	1,834		1 - 3 Aug
4	DS 110	Geometry Drawing & Fitting Work	ENGINEERING DESIGN	1,590		1 - 3 Aug
5	EEA 139	Diagnostics on AC Electric Motors	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		7 - 9 Aug
6	EEA 144	Arduino Mega 2560 for Motor Control Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		7 - 9 Aug
7	MMF 129 (T)	Pre Production	MACHINING / MANUFACTURING	1,590		9 - 10 Aug
8	EEA 170	Electrical Engineering For Non-Electrical Engineers	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		8 - 10 Aug
9	ICT105 (L1)	Visual Basic Programming 1	INFORMATION TECHNOLOGY/COMPUTER SCIENCE	1,590		8 - 10 Aug
10	ICT 116	Visual Basic for Automation	INFORMATION TECHNOLOGY/COMPUTER SCIENCE	1,590		13 - 15 Aug
11	EEA 168	Neural Network with MATLAB/Simulink for Control System Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		13 - 15 Aug
12	QA 112	Workshop Management & Cost Estimation	QUALITY ASSURANCE	1,092		14 - 16 Aug
13	DS 111	Pictorial and Machine Drawing	ENGINEERING DESIGN	1,590		15 - 17 Aug
14	EEA 113	Power Electronics & Drives	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		20 - 22 Aug
15	EEA 130	Design & Construction of Electro Pneumatic Control	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		20 - 22 Aug
16	MMF 134 (T)	Basic Industrial & Manufacturing Engineering	MACHINING / MANUFACTURING	1,590		20 - 22 Aug
17	MEC 109	Introduction to Fluid Mechanics	MECHANICAL	1,834		20 - 22 Aug
18	EEA 181	Automation Handling System	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 Aug
19	MEC 118	Model Making Technique in Product Design	MECHANICAL	1,834		27 - 29 Aug
20	DS 108 (T)	Basic to Product Design and Development	ENGINEERING DESIGN	1,590		28 - 30 Aug
21	MET 107	Surface Finish Measurement	METROLOGY	1,855		28 - 30 Aug

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## ANNUAL TRAINING PLANNER - SEPTEMBER 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		SEPTEMBER
1	EEA 180	Electronic Product Quality Control	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		3 - 5 Sept
2	MEC 119	TRIZ Level 1 Practitioner Workshop	MECHANICAL	1,092		5 - 6 Sept
3	QA 105 (T)	Master Production Scheduling and Shop Floor Control (MPS and ALC)	QUALITY ASSURANCE	1,092		5 - 6 Sept
4	EEA 164	Microcontroller for Data Communication	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		5 - 7 Sept
5	EEA 112	Process Control System	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		12 - 14 Sept
6	EEA 114	Electrical Motor	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		12 - 14 Sept
7	EEA 158	Labview for Control System Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		12 - 14 Sept
8	MEC 101	Advanced CAM	MECHANICAL	1,855		18 - 20 Sept
9	QA 101	7 MP Tools for Total Quality Control	QUALITY ASSURANCE	1,855		19 - 20 Sept
10	ICT 119	Internet of Things (IOT)	INFORMATION TECHNOLOGY/COMPUTER SCIENCE	1,590		19 - 21 Sept
11	EEA 166	Microcontroller for Radio Frequency Data Communication	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		24 - 26 Sept
12	MMF 125 (T)	Design of Experiment (DOE)	MACHINING / MANUFACTURING	1,590		24 - 26 Sept
13	QA 111	Industrial Safety & Health	QUALITY ASSURANCE	1,092		25 - 26 Sept
14	DS 112	Autodesk Inventor 2015 for Designer	ENGINEERING DESIGN	1,590		26 - 28 Sept

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## ANNUAL TRAINING PLANNER - OCTOBER 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		OCTOBER
1	MEC 104	Welding Technology	MECHANICAL	1,834		2 - 4 Oct
2	QA 109	.5S Practices at the Workplace	QUALITY ASSURANCE	1,092		3 - 4 Oct
3	MET 105	Measurement through CMM	METROLOGY	1,855		3 - 5 Oct
4	EEA 177	Mechatronics System Troubleshooting	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		9 - 11 Oct
5	MMF 119 (T)	Manufacturing Engineering techniques - layout, process flow/charts, material handling and automation	MACHINING / MANUFACTURING	1,590		9 - 11 Oct
6	MEC 111	Piping Systems and Pump Selection	MECHANICAL	1,834		10 - 12 Oct
7	QA 103 (T)	Objectives and elements of Production Planning & Control	QUALITY ASSURANCE	1,092		16 - 17 Oct
8	EEA 131	Robotic & Control System	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		16 - 18 Oct
9	MMF 112	Tool Cutter Grinder	MACHINING / MANUFACTURING	1,834		17 - 19 Oct
10	EEA 141	Introduction to Electric Vehicle	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		17 - 19 Oct
11	EEA 188	The Essence of Telecommunication	ELECTRICAL, ELECTRONICS & AUTOMATION	2,120		23 - 25 Oct
12	MMF 126 (T)	Objectives and Elements of Production Planning (PPC)	MACHINING/MANUFACTURING	1,590		23 - 25 Oct
13	EEA 149	Build your own DC to DC converter using Microcontroller and Communication via MATLAB or Labview	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		24 - 26 Oct
14	EEA 146	Digital Electronics for Motor Control Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		29 - 31 Oct
15	MET 106	Measurement System Analysis (MSA) through Gauge Repeatability & Reproducibility (GR&R)	METROLOGY	1,855		29 - 31 Oct
16	EEA 113 (L3)	Advanced Power Electronics & Drive	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		29 - 31 Oct

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## ANNUAL TRAINING PLANNER - NOVEMBER 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		NOVEMBER
1	DS 106	Mechanical CAD- Solid Works	ENGINEERING DESIGN	1,855		13 - 15 Nov
2	EEA 125	Basic Electrical & Electronics Trouble Shooting	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		13 - 15 Nov
3	MMF 131 (T)	Equipment Maintenance	MACHINING / MANUFACTURING	1,590		21 - 23 Nov
4	EEA 171	Feedback Control System	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		21 - 23 Nov
5	MMF 102	Milling Operation	MACHINING/MANUFACTURING	1,834		21 - 23 Nov
6	EEA 104	Discovery & Diagnostics on Electrical and Electronics	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		26 - 28 Nov
7	MET 102	Angular Measurement by Direct & Indirect Measurement	METROLOGY	1,855		26 - 28 Nov
8	EEA 146	Electric control, pump and compressor system	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		27 - 29 Nov

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## ANNUAL TRAINING PLANNER - DECEMBER 2018

ITEM	CODE	PROGRAM	CLUSTER	FEES (6%)		DECEMBER
1	EEA 117	Mechatronics (Level 1)	ELECTRICAL, ELECTRONICS & AUTOMATION	1,590		4 - 6 Dec
2	EEA 147	Digital Electronics for Pneumatics & Hydraulics Application	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		4 - 6 Dec
3	MMF 107	EDM Die Sinking Programming & Machining	MACHINING/MANUFACTURING	1,855		5 - 7 Dec
4	DS 109	MasterCAM x6	ENGINEERING DESIGN	1,855		5 - 7 Dec
5	EEA 118	Industrial Robotics	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 Dec
6	EEA 186	Electronic Devices & Circuits	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		10 - 12 Dec
7	MMF 135	Jig & Fixture	MACHINING/MANUFACTURING	1,855		11 - 13 Dec
8	EEA 187	Signal Processing & Embedded Systems	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		11 - 13 Dec
9	EEA 134	Electric control, pump and compressor system	ELECTRICAL, ELECTRONICS & AUTOMATION	1,855		17 - 19 Dec



The trainings will be carried out ONLY when the minimum number of participants is obtained. However, for GROUP ENROLMENT from agencies, we offer special discounts (inclusive of accomodation/meals/transportation). Please contact Centre for Advancement & Continuing Education (ACE), UniKL MSI, Kulim Hi Tech Park, 09000 Kulim, Kedah via email at [syazrah@unikl.edu.my](mailto:syazrah@unikl.edu.my); Call us at **04-4035 199/200 (ext 112)** or watsapp us at **013-226 9634, 019-523 7199**. Please refer to our website for more courses and details at [www.msi.unikl.edu.my/s\\_course](http://www.msi.unikl.edu.my/s_course)  
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