

DEPARTMENT OF POLYTECHNIC AND COMMUNITY COLLEGE EDUCATION MINISTRY OF HIGHER EDUCATION

Malaysian Polytechnic and Community College: Industrial Training

Introduction

The progress of a country depends largely on the capability of its workforce. Quality workforce enables a country to move forward at a faster speed, which is necessary, if one wishes to compete in the global market. Quality workforce is defined as a workforce that constitutes workers who have the skill set needed to perform in the 21st Century. The skill set needed for the workers of the 21st Century is different from those of the 20th Century. In the 21st Century, workers are required to have a myriad of skills to enable them to perform effectively. They are required not only to identify problems but also to solve problems. This demands a comprehensive knowledge of the matter, both cognitively as well as practically. Therefore, it is believed that Industrial Training is the channel to accomplish these.

Industrial Training is defined as one of the educational strategies that provides students with real-life work experiences where they can apply the theories that they have learnt as well as enhance their technical skills. At the same time, it provides the opportunities to harness their soft skills. The work experience is supplemented with instruction and activities that apply, reinforce, refine, or extend the learning that occurs during work, so that students develop attitudes, knowledge, skills, and habits that might not develop from work experience alone.

Industrial Training as well is designed to meet the employers demand and/or the employment needs of those in a world of work. The synergy of students' world-knowledge, industrial exposure and subject-matter knowledge are brought together to maximize opportunities for learning and professional development at the workplace. Industrial Training is a learning process that allow students to engage in on-site activities with industries and gain benefits by exposure to the latest knowledge in an increasingly competitive world of technology.

In sum, the implementation of Industrial Training provides opportunity for the polytechnic and community colleges graduates to experience real life working environment at their chosen workplace, thus prepare themselves for the world of work.

Implementation of Industrial Training

The Industrial Training provides opportunities for exposure to the working world, which will make graduates more aware of the real working environment and industries expectations of them. Placing Polytechnics and Community Colleges students in various industries is also part of on-going efforts to close the gap between academia and industries as the feedbacks received from them are used to improve the existing

curriculum in line with the needs of industries. At the end of the Industrial Training, students should be able to improve their knowledge and skills relevant to their areas of specialisation (programme of study) and at the same time able to relate, apply and adapt relevant knowledge, concepts and theories within an industrial organisation, practice and ethics. With this experience and exposure, the students should be able to acquire knowledge and skills to compete in the job market.

In general, the objectives of the Industrial Training include:

- 1) to give students the opportunity to apply the knowledge and skills they have acquired on campus in a real-life work situation;
- 2) to provide students with opportunities for practical, hands-on learning from practitioners in the students' areas of specialisation (programme of study);
- 3) to expose students to a work environment, common practices, employment opportunities and work ethics in their relevant field;
- 4) to enhance the employability skills of the students; and
- 5) to provide opportunities for students to be offered jobs in the industry/organisation in which they undergo their Industrial Training.

Duration of Industrial Training:

The Malaysian Polytechnics and Community College students undergo Industrial Training during the final semester of studies prior to their graduations at various industries in Malaysia. This training is compulsory for all students and the duration ranges from eight (8) weeks to twenty (20) weeks depending on the programme of study. Students earn four (4) to ten (10) credit hours after the completion of industrial training.

Institutions and Programmes:

Currently there are 36 Polytechnics and 104 Community Colleges in Malaysia. It is expected that 136 out of the total 140 institutions will be offering Industrial Training for students in the coming two (2) years. The list of Polytechnics and Community Colleges offering Industrial Training as well as the programmes offered by each of the institutions is shown in **Table 1.1** and **Table 1.2**.

Assessment Components:

Assessment within the Industrial Training context aims to evaluate the student's work quality and appropriateness to the programme of study with reference to the learning outcomes of the Industrial Training. Students should be assessed by both the industry and institution. Assessment methods used may consist of the following:

- i. Evaluation report from industry;
- ii. Industrial Training Final report;
- iii. Log book/Attendance record;
- iv. Observation at the workplace; and
- v. Presentation by the student.

Students must fulfil all forms of assessments set by the institutions and they will be given a grade of a Pass/Fail after the completion of training period and all assessments above.

Graduates Attributes:

Upon completion of the Industrial Training, Polytechnic and Community College students are expected to demonstrate the following graduate attributes:

- 1) Inter-personal and Communication Skills;
- 2) Critical Thinking and Problem-Solving Skills;
- 3) Team Work;
- 4) Lifelong Learning and Information Management;
- 5) Entrepreneurial mind set;
- 6) Professional Ethics and Moral; and
- 7) Leadership Skills

Prepared by:

Instructional and Digital Learning Division and TVET Coordination Division

Department of Polytechnic and Community College Education

Ministry of Higher Education

Table 1: Estimated Number of Students to Undergo Industrial Training by Institution and Programme – Polytechnic

No	Institution	Location	Programme	Estimated Number of Students to Undergo Industrial Training			
				Sep-21	Mar-22	Sep-22	Mar-23
1	POLITEKNIK BAGAN DATUK	Hutan Melintang, Perak	Naval Architecture	0	0	3	18
2	POLITEKNIK BALIK PULAU	Balik Pulau, Pulau Pinang	Diploma in Information Technology (Digital Technology)	53	194	52	164
3	POLITEKNIK BANTING	Banting, Selangor	Mechanical Engineering	43	103	11	179
			Mechanical Engineering (Manufacturing)	0	53	1	43
			Aircraft Maintenance Engineering	17	75	10	69
4	POLITEKNIK BESUT	Besut, Terengganu	Diploma in Information Technology (Digital Technology)	9	32	5	21
5	POLITEKNIK HULU TERENGGANU	Kuala Berang, Terengganu	Diploma in Accountancy	7	19	1	27
			Diploma in Tourism Management	18	32	18	29
6	POLITEKNIK IBRAHIM SULTAN	Pasir Gudang, Johor	Diploma in Creative Animation	0	0	0	22
			Diploma in Electrical and Electronic Engineering	39	113	17	66
			Diploma in Electronic Engineering (Control)	11	74	7	73
			Diploma in Electronic Engineering (Communication)	1	59	5	83
			Mechanical Engineering	26	175	31	120
			Diploma in Mechanical Engineering (Materials)	4	76	4	51
			Mechanical Engineering (Manufacturing)	9	84	8	47
			Diploma in Mechatronic Engineering	7	83	3	41
			Diploma in Event Management	11	31	17	11
			Diploma in Hotel Management	29	27	24	18
			Diploma in Tourism Management	25	27	16	8
			Diploma in Tourism Management	35	58	34	28
			Diploma in Graphic Design	31	43	34	41
			Diploma in Industrial Design	19	51	18	26
Diploma in Digital Creative Technology	23	27	27	0			
Bachelor of Visual Communication Design and New Media with Honours	0	6	0	0			

			Bachelor of Science (Hons.) in International Tourism and Hospitality Management	0	16	0	0
			Skill Certificate in Hotel and Catering	13	11	0	0
			Skill Certificate in Fashion Design and Clothing	3	13	0	0
			Skill Certificate in Graphic Design	8	14	0	0
7	POLITEKNIK JELI	Jeli, Kelantan	Diploma in Agrotechnology	6	111	66	69
			Diploma in Aquaculture	11	98	44	58
8	POLITEKNIK KOTA BHARU	Ketereh, Kelantan	Diploma in Accountancy	14	114	22	102
			Diploma in Insurance	0	24	3	12
			Diploma in Civil Engineering	71	134	55	135
			Diploma in Electrical Engineering	19	136	17	127
			Diploma in Electrical and Electronic Engineering	21	89	8	89
			Diploma in Electronic Engineering (Communication)	0	61	2	32
			Mechanical Engineering	21	93	16	59
			Mechanical Engineering (Automotive)	31	105	18	67
			Mechanical Engineering (Agriculture)	8	93	4	40
			Diploma in Mechatronic Engineering	0	29	0	28
			Diploma in Marketing	45	61	24	27
			Diploma in Business Studies	104	162	64	86
			Diploma in Quantity Surveying	15	85	5	65
9	POLITEKNIK KOTA KINABALU	Kota Kinabalu, Sabah	Diploma in Accountancy	59	89	67	36
			Diploma in Civil Engineering	100	109	73	51
			Diploma in Electrical and Electronic Engineering	58	85	55	57
			Electronic Engineering (Computer)	0	40	0	21
			Diploma in Electronic Engineering (Communication)	31	60	11	26
			Diploma in Mechanical Engineering	83	102	58	50
			Mechanical Engineering (Manufacturing)	17	42	7	25
			Diploma in Mechatronic Engineering	18	42	9	25
			Diploma in Marketing	71	70	60	25

			Diploma in Hotel Management	27	29	25	14
			Diploma in Logistics and Supply Chain Management	70	51	76	37
			Resort Management	30	38	25	15
			Diploma in Wood-Based Technology	10	27	15	18
			Diploma in Quantity Surveying	29	41	29	19
			Skill Certificate in Hotel and Catering	9	6	0	0
10	POLITEKNIK KUALA TERENGGANU	Kuala Terengganu, Terengganu	Diploma in Electrical and Electronic Engineering	11	57	5	28
			Diploma in Electronic Engineering (Communication)	0	17	6	22
			Diploma in Information Technology (Digital Technology)	24	90	16	41
11	POLITEKNIK KUCHING	Kuching, Sarawak	Diploma in Accountancy	27	92	33	55
			Diploma in Geomatics	18	40	6	28
			Diploma in Civil Engineering	97	134	109	92
			Diploma in Electrical and Electronic Engineering	36	111	40	91
			Diploma in Electronic Engineering (Communication)	3	42	7	36
			Mechanical Engineering	61	136	44	88
			Mechanical Engineering (Automotive)	22	86	19	46
			Mechanical Engineering (Manufacturing)	13	33	8	29
			Diploma in Mechanical Engineering (Air Conditioning and Refrigeration)	5	32	3	13
			Diploma in Building Services Engineering	10	38	10	31
			Diploma in Process Engineering (Petrochemical)	15	106	24	73
			Diploma in Business Studies	55	110	90	74
			Diploma in Information Technology (Digital Technology)	68	117	46	70
12	POLITEKNIK MELAKA	Balai Panjang, Melaka	Diploma in Accountancy	42	83	29	49
			Diploma in Civil Engineering	33	93	21	56
			Diploma in Electronic Engineering (Control)	4	95	5	68
			Mechanical Engineering	10	66	9	58
			Diploma in International Business	27	28	25	35

13	POLITEKNIK MERLIMAU	Merlimau, Melaka	Diploma in Accountancy	42	87	46	64
			Diploma in Geomatics	28	33	15	31
			Diploma in Civil Engineering	59	171	32	103
			Diploma in Electrical Engineering	67	71	37	95
			Electronic Engineering (Computer)	1	51	21	56
			Diploma in Electronic Engineering (Communication)	21	48	6	59
			Mechanical Engineering	29	81	1	69
			Mechanical Engineering (Manufacturing)	14	33	16	66
			Diploma in Mechatronic Engineering	0	71	0	57
			Diploma in Marketing	33	81	55	44
			Diploma in Business Studies	42	108	78	47
			Diploma in Event Management	40	34	32	26
			Diploma in Hotel Management	41	31	34	24
			Diploma in Tourism Management	43	41	43	26
			Diploma in Food Services Halal Practice	45	58	44	30
			Diploma in Architecture	34	38	25	20
Diploma in Culinary Arts	0	0	31	30			
14	POLITEKNIK MERSING	Mersing, Johor	Diploma in Electrical Engineering	24	112	18	73
			Diploma in Electrical and Electronic Engineering	14	108	9	80
			Diploma in Business Studies	41	40	31	29
			Diploma in Secretarial Science	27	38	25	27
			Diploma in Information Technology (Digital Technology)	105	187	59	123
15	POLITEKNIK METRO BETONG	Betong, Sarawak	Diploma in Banking and Finance	6	30	7	14
			Diploma in Tourism Management	15	26	16	13
16	POLITEKNIK METRO TASEK GELUGOR	Tasek Gelugor, Pulau Pinang	Diploma in Video and Film Studies	28	49	26	14
			Diploma in Information Technology (Digital Technology)	8	50	5	26
17	POLITEKNIK METRO, JOHOR BAHRU	Johor Bahru, Johor	Diploma in Entrepreneurship	16	8	34	23
			Diploma in Islamic Banking and Finance	32	13	42	10

			Diploma in Logistics and Supply Chain Management	66	46	104	58
18	POLITEKNIK METRO, KUALA LUMPUR	Setiawangsa, Kuala Lumpur	Diploma in Hotel Management	28	31	28	20
			Diploma in Retail Management	31	53	19	29
			Diploma in Information Technology (Digital Technology)	1	27	22	17
19	POLITEKNIK METRO, KUANTAN PAHANG	Kuantan, Pahang	Diploma in Tourism Management	16	44	11	20
			Diploma in Food Services Halal Practice	56	64	43	34
20	POLITEKNIK MUADZAM SHAH	Muadzam Shah, Pahang	Diploma in Accountancy	20	77	10	58
			Diploma in Mechanical Engineering (Automation)	11	32	0	23
			Mechanical Engineering (Manufacturing)	0	16	0	23
			Diploma in Mechanical Engineering (Automotive Manufacturing Design)	0	72	1	40
			Diploma in Mechanical Engineering (Product Design)	1	36	5	22
			Diploma in Recreational Tourism	30	35	22	13
			Diploma in Business Studies	49	78	41	62
			Diploma in Tourism Management	55	75	41	21
			Diploma in Graphic Design	51	41	42	27
			Diploma in Information Technology (Digital Technology)	79	134	36	41
			Diploma in Print Media Technology	35	37	17	19
21	POLITEKNIK MUKAH	Mukah, Sarawak	Diploma in Accountancy	24	37	16	35
			Diploma in Civil Engineering	60	104	40	58
			Diploma in Electrical and Electronic Engineering	33	60	16	33
			Diploma in Electronic Engineering (Communication)	0	29	0	26
			Mechanical Engineering	44	95	20	91
			Diploma in Business Studies	35	69	28	31
			Diploma in Secretarial Science	50	72	30	14
			Diploma in Information Technology (Digital Technology)	26	104	12	24
22	POLITEKNIK NILAI		Diploma in Biotechnology	26	61	22	51

		Bandar Enstek, Negeri Sembilan	Diploma in Landscape Horticulture	49	81	65	54
			Mechanical Engineering	33	121	24	116
			Diploma in Mechatronic Engineering	1	62	1	42
			Diploma in Islamic Banking and Finance	44	84	63	34
			Diploma in Logistics and Supply Chain Management	79	94	86	78
			Diploma in Retail Management	33	49	37	37
			Diploma in Business Information System	41	79	42	35
23	POLITEKNIK PORT DICKSON	Rusa, Negeri Sembilan	Diploma in Accountancy	81	90	46	62
			Diploma in Civil Engineering	85	191	54	126
			Diploma in Electrical Engineering	68	161	37	99
			Diploma in Electrical Engineering (Energy Efficiency)	22	39	1	51
			Diploma in Electrical Engineering (Green Energy)	1	46	15	39
			Electronic Engineering (Computer)	68	60	23	26
			Diploma in Electronic Engineering (Communication)	21	42	0	63
			Mechanical Engineering	30	93	24	122
			Mechanical Engineering (Automotive)	39	138	29	94
			Mechanical Engineering (Manufacturing)	14	53	11	34
			Diploma in Mechatronic Engineering	11	60	0	62
			Diploma in Marketing	77	90	79	56
			Diploma in Secretarial Science	77	91	73	53
			Diploma in Architecture	54	68	42	51
24	POLITEKNIK SANDAKAN	Sandakan, Sabah	Diploma in Agrotechnology	62	112	75	105
			Diploma in Aquaculture	34	106	45	92
25	POLITEKNIK SEBERANG PERAI	Permatang Pauh, Pulau Pinang	Diploma in Accountancy	80	77	47	39
			Diploma in Electrical and Electronic Engineering	32	101	25	57
			Electronic Engineering (Computer)	0	48	27	62
			Diploma in Electronic Engineering (Communication)	19	36	9	61
			Mechanical Engineering	53	107	29	122

			Diploma in Mechanical Engineering (Plant)	7	36	5	26
			Mechanical Engineering (Manufacturing)	13	30	8	32
			Diploma in Mechanical Engineering (Textile)	4	26	0	14
			Diploma in Islamic Banking and Finance	78	77	40	38
			Diploma in Business Studies	81	78	75	48
			Diploma in Logistics and Supply Chain Management	82	105	88	50
			Diploma in Information Technology (Digital Technology)	81	159	65	90
26	POLITEKNIK SULTAN ABDUL HALIM MU'ADZAM SHAH	Jitra, Kedah	Diploma in Accountancy	39	124	31	82
			Diploma in Civil Engineering	72	201	42	121
			Diploma in Electrical Engineering	38	170	34	202
			Diploma in Electrical and Electronic Engineering	14	131	0	94
			Diploma in Electronic Engineering (Communication)	1	46	0	30
			Diploma in Mechanical Engineering (Plant)	0	52	0	69
			Mechanical Engineering (Manufacturing)	9	61	0	50
			Diploma Mechanical Engineering (Plastic)	0	58	0	51
			Diploma in Mechatronic Engineering	8	77	12	65
			Diploma in Building Services Engineering	7	55	9	47
			Diploma in Marketing	65	114	78	66
			Diploma in Town and Regional Planning	13	55	12	36
			Diploma in Architecture	27	31	21	19
			Diploma in Information Technology (Digital Technology)	66	120	54	79
			Diploma in Quantity Surveying	16	35	8	22
27	POLITEKNIK SULTAN AZLAN SHAH	Behrang, Perak	Diploma in Accountancy	41	51	23	31
			Diploma in Civil Engineering	43	110	29	66
			Diploma in Electrical Engineering	39	148	34	69
			Electronic Engineering (Computer)	0	64	1	30
			Diploma in Electronic Engineering (Communication)	1	44	1	30

			Mechanical Engineering	24	66	1	63
			Mechanical Engineering (Automotive)	38	109	25	65
			Mechanical Engineering (Manufacturing)	7	36	9	28
			Diploma in Mechatronic Engineering	0	42	0	35
			Diploma in Building Services Engineering	19	43	0	29
			Diploma in Marketing	35	41	30	34
			Diploma in Business Studies	42	44	46	37
			Diploma in Retail Management	31	45	26	21
			Diploma in Quantity Surveying	22	50	17	21
			Bachelor of Manufacturing Engineering Technology (Automotive Design) with Honours	1	8	0	30
28	POLITEKNIK SULTAN HAJI AHMAD SHAH	Kuantan, Pahang	Diploma in Accountancy	38	94	25	56
			Diploma in Geomatics	0	147	1	117
			Diploma in Civil Engineering	67	159	37	121
			Diploma in Electrical and Electronic Engineering	38	167	17	121
			Electronic Engineering (Computer)	0	73	0	62
			Diploma in Electronic Engineering (Communication)	0	31	0	32
			Mechanical Engineering	43	168	6	129
			Mechanical Engineering (Automotive)	40	81	16	57
			Diploma in Islamic Banking and Finance	1	0	0	0
			Diploma in Logistics and Supply Chain Management	76	79	60	68
			Diploma in Secretarial Science	56	74	48	46
			Diploma in Architecture	56	58	30	38
			Diploma in Business Information System	31	45	31	30
			Diploma in Food Technology	83	152	59	62
			Diploma in Halal Food Management Technology	35	42	31	33
29	POLITEKNIK SULTAN IDRIS SHAH	Sungai Air Tawar, Selangor	Diploma in Environmental Engineering	29	76	18	31
			Diploma in Civil Engineering	46	72	26	58
			Electronic Engineering (Computer)	0	77	21	39

			Diploma in Electronic Engineering (Communication)	23	64	3	61
			Diploma in Islamic Banking and Finance	76	61	49	41
			Diploma in Tourism Management	35	39	36	20
			Diploma in Food Services Halal Practice	81	76	80	42
			Diploma in Secretarial Science	65	78	48	48
			Diploma in Architecture	26	29	17	14
			Diploma in Information Technology (Digital Technology)	147	118	60	61
30	POLITEKNIK SULTAN MIZAN ZAINAL ABIDIN	Dungun, Terengganu	Diploma in Civil Engineering	61	191	31	152
			Diploma in Electrical and Electronic Engineering	18	141	13	93
			Electronic Engineering (Computer)	33	139	14	64
			Diploma in Electronic Engineering (Communication)	10	83	2	40
			Mechanical Engineering	25	114	18	125
			Mechanical Engineering (Automotive)	17	103	12	115
			Mechanical Engineering (Manufacturing)	9	49	5	30
			Diploma in Mechatronic Engineering	3	50	7	34
			Diploma in Information Technology (Digital Technology)	66	225	36	144
31	POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH	Shah Alam, Selangor	Diploma in Insurance	14	54	11	14
			Diploma in Civil Engineering	82	139	28	80
			Diploma in Electronic Engineering (Control)	16	86	15	27
			Diploma in Electronic Engineering (Communication)	30	140	15	55
			Diploma in Electronic Engineering (Medical)	33	80	27	40
			Mechanical Engineering	64	202	30	81
			Diploma in Mechanical Engineering (Manufacturing)	1	127	9	16
			Diploma in Building Services Engineering	25	92	33	22
			Diploma in Marketing	42	75	24	22
			Diploma in Business Studies	68	142	40	39
			Diploma in International Business	22	76	14	24

			Diploma in Wood-based Technology	13	66	12	14
			Bachelor of Engineering Technology (Medical Electronic) with Honours	0	34	1	33
			Bachelor of Technology in Facilities Management with Honours	0	23	0	37
			Skills Certificate in Mechanical Maintenance	6	6	0	0
32	POLITEKNIK TAWAU	Tawau, Sabah	Diploma in Tourism Management	29	59	27	71
33	POLITEKNIK TUANKU SULTANAH BAHYAH	Kulim, Kedah	Diploma in Accountancy	31	93	24	71
			Diploma in Geomatics	11	73	2	65
			Diploma in Civil Engineering	63	160	35	85
			Diploma in Electrical Engineering	16	171	18	92
			Diploma in Electrical and Electronic Engineering	24	69	29	59
			Electronic Engineering (Computer)	0	61	0	33
			Diploma in Electronic Engineering (Communication)	10	38	1	34
			Mechanical Engineering	27	98	18	110
			Mechanical Engineering (Manufacturing)	12	23	5	24
			Diploma in Mechatronic Engineering	6	60	9	65
			Diploma in Marketing	41	73	29	57
			Diploma in Business Studies	37	91	43	73
34	POLITEKNIK TUANKU SYED SIRAJUDDIN	Arau, Perlis	Diploma in Accountancy	18	45	14	35
			Electronic Engineering (Computer)	0	59	17	60
			Diploma in Electronic Engineering (Communication)	0	47	0	33
			Diploma in Electronic Engineering (Optoelectronic)	0	37	0	28
			Mechanical Engineering	30	113	8	95
			Diploma in Business Studies	39	58	33	28
			Diploma in Video and Film Studies	56	55	48	40
			Diploma in Event Management	44	34	31	32
			Diploma in Tourism Management	44	42	32	32
			Diploma in Food Services Halal Practice	63	66	81	38
Diploma in Secretarial Science	45	42	46	33			

			Diploma in Digital Arts	55	71	55	54
			Diploma in Information Technology (Digital Technology)	38	124	25	115
			Skill Certificate in Hotel and Catering	6	12	0	0
35	POLITEKNIK TUN SYED NASIR SYED ISMAIL	Pagoh, Johor	Diploma in Electrical and Instrumentation Engineering	0	110	0	64
			Diploma in Chemical Engineering	0	102	1	47
			Diploma in Mechanical Engineering (Petrochemical)	11	119	0	56
			Diploma in Process Engineering (Petrochemical)	12	114	23	57
			Diploma in Chemical Technology (Fat and Oil)	10	102	10	32
			Diploma in Food Technology	20	135	30	47
36	POLITEKNIK UNGKU OMAR	Ipoh, Perak	Diploma in Accountancy	52	115	50	61
			Diploma in Geomatics	23	41	13	65
			Diploma in Civil Engineering	79	188	55	130
			Diploma in Electrical and Electronic Engineering	60	155	41	128
			Electronic Engineering (Computer)	0	92	0	79
			Diploma in Electronic Engineering (Communication)	16	123	13	66
			Mechanical Engineering	62	217	35	139
			Mechanical Engineering (Automotive)	33	101	50	54
			Diploma in Mechanical Engineering (Air Conditioning and Refrigeration)	33	82	23	53
			Diploma in Mechatronic Engineering	13	94	16	62
			Diploma in Marine Engineering	19	33	17	26
			Diploma in Banking and Finance	30	40	17	29
			Diploma in Islamic Banking and Finance	20	37	15	28
			Diploma in Business Studies	38	42	33	30
			Diploma in Retail Management	17	32	8	22
Diploma in Architecture	22	57	25	43			
Diploma in Information Technology (Digital Technology)	121	236	108	120			

			Bachelor of Civil Engineering Technology with Honours	0	30	1	33
			Bachelor of Manufacturing Engineering Technology (Supply Chain Management) with Honours	0	50	0	31
			Skills Certificate in Construction	5	4	0	0
TOTAL				9,145	22,498	7,336	15,296

Table 1: Estimated Number of Students to Undergo Industrial Training by Institution and Programme – Community College

No	Institution	Location	Programme	Estimated Number of Students to Undergo Industrial Training		
				Sep-21	Mar-22	Sep-22
1	KOLEJ KOMUNITI AMPANG	Ampang, Selangor	Diploma in Mobile Technology	30	0	15
			Diploma in Telecommunication Technology	34	0	12
			Certificate in Telecommunication Technology	26	29	0
2	KOLEJ KOMUNITI ARAU	Arau, Perlis	Certificate in Fashion and Apparel	48	23	7
			Certificate in Food Processing and Quality Control	72	36	12
			Certificate in Computer and Networking System	38	26	3
			Certificate in Architectural Technology	21	23	7
3	KOLEJ KOMUNITI BAGAN DATUK	Hutan Melintang, Perak	Certificate in Motorcycle Maintenance (High performance)	42	27	14
			Certificate in Computer and Networking System	25	35	8
4	KOLEJ KOMUNITI BAGAN SERAI	Bagan Serai, Perak	Certificate in Food Processing and Quality Control	59	29	11
			Certificate in Business Operation	21	19	8
5	KOLEJ KOMUNITI BALING	Baling, Kedah	Certificate in Fashion and Apparel	35	0	1
			Certificate in Pastry	54	0	31
6	KOLEJ KOMUNITI BANDAR BAHARU	Bandar Bahru, Kedah	Certificate in Light Weight Vehicle Service	39	41	0
7	KOLEJ KOMUNITI BANDAR DARULAMAN	Jitra, Kedah	Diploma in Automotive Technology (Commercial Vehicle)	35	0	11

			Certificate in Light Weight Vehicle Service	40	29	8
			Certificate in Computer and Networking System	56	19	13
			Certificate in Electrical Technology	49	36	8
8	KOLEJ KOMUNITI BANDAR PENAWAR	Kota Tinggi, Johor	Certificate in Business Operation	9	16	2
			Certificate in Building Maintenance	26	36	6
			Certificate in Building Construction Technology	2	21	4
9	KOLEJ KOMUNITI BANDAR TENGGARA	Bandar Tenggara, Johor	Certificate in Culinary	1	14	0
10	KOLEJ KOMUNITI BATU GAJAH	Batu Gajah, Perak	Certificate in Fashion and Apparel	35	19	4
			Certificate in Beauty Therapy and SPA	38	19	12
11	KOLEJ KOMUNITI BATU PAHAT	Batu Pahat, Johor	Certificate in Electrical Technology	45	21	6
			Certificate in Refrigeration and Air Conditioning Technology	20	11	0
12	KOLEJ KOMUNITI BAYAN BARU	Bayan Lepas, Pulau Pinang	Certificate in Pastry	24	31	13
			Certificate in Beauty Therapy and SPA	6	14	3
13	KOLEJ KOMUNITI BEAUFORT	Beaufort, Sabah	Certificate in Culinary	57	13	15
			Certificate in Hotel Operation	34	5	0
			Certificate in Electrical Technology	32	22	9
14	KOLEJ KOMUNITI BENTONG	Karak, Pahang	Certificate in Business Operation	1	21	0
			Certificate in Electrical Technology	18	45	8
			Certificate in Information Technology	2	18	2

			Certificate in Building Construction Technology	0	12	1
15	KOLEJ KOMUNITI BERA	Triang, Pahang	Certificate in Aquaculture	0	10	3
16	KOLEJ KOMUNITI BESUT	Jerteh, Terengganu	Diploma in 3D Animation	0	20	0
			Diploma in Mechanical Technology (Computer Aided Design & Drafting)	8	10	0
			Certificate in 3D Animation	0	18	0
17	KOLEJ KOMUNITI BUKIT BERUANG	Bukit Beruang, Melaka	Certificate in Culinary	24	19	20
			Certificate in Hotel Operation	24	9	7
			Certificate in Light Weight Vehicle Service	8	19	13
			Certificate in Electrical Technology	10	24	14
18	KOLEJ KOMUNITI BUKIT MERTAJAM	Bukit Mertajam, Pulau Pinang	Certificate in Fashion and Apparel	33	16	11
19	KOLEJ KOMUNITI CAWANGAN GELANG PATAH	Johor Bahru, Johor	Certificate in Information Technology	19	18	3
20	KOLEJ KOMUNITI CAWANGAN HULU TERENGGANU	Ajil, Terengganu	Certificate in Architectural Technology	11	19	5
21	KOLEJ KOMUNITI CAWANGAN JERLUN	Kodiang, Kedah	Certificate in Architectural Technology	19	6	2
22	KOLEJ KOMUNITI CAWANGAN KANGAR	Kangar, Perlis	Certificate in Electrical Technology	27	33	3
23	KOLEJ KOMUNITI CAWANGAN LENGGONG	Lenggong, Perak	Certificate in Tourism and Travel	6	12	4
24	KOLEJ KOMUNITI CAWANGAN MARAN	Maran, Pahang	Certificate in Computer and Networking System	2	10	2
25	KOLEJ KOMUNITI CAWANGAN RANTAU PANJANG	Rantau Panjang, Kelantan	Certificate in Logistics Services	11	22	7
26	KOLEJ KOMUNITI CAWANGAN SEPANG	Dengkil, Selangor	Certificate in Logistics Services	0	14	11
27	KOLEJ KOMUNITI CAWANGAN SIBU	Sibu, Sarawak	Certificate in Tourism and Travel	4	5	0

28	KOLEJ KOMUNITI CAWANGAN TANAH MERAH	Tanah Merah, Kelantan	Certificate in Pastry	90	50	23
29	KOLEJ KOMUNITI CHENDEROH	Kuala Kangsar, Perak	Diploma in Culinary Arts	18	0	15
			Certificate in Culinary	22	18	15
			Certificate in Hotel Operation	5	9	8
			Certificate in Creative Visual Arts	2	8	7
			Certificate in Electrical Technology	6	14	5
30	KOLEJ KOMUNITI GERIK	Gerik, Perak	Certificate in Fashion and Apparel	42	30	0
			Certificate in Light Weight Vehicle Service	40	42	5
			Certificate in Information Technology	40	31	6
31	KOLEJ KOMUNITI HULU LANGAT	Kajang, Selangor	Certificate in Business Operation	56	23	16
			Certificate in Information Technology	70	31	9
			Certificate in Refrigeration and Air Conditioning Technology	90	29	14
32	KOLEJ KOMUNITI HULU SELANGOR	Batang Kali, Selangor	Certificate in Tourism and Travel	42	29	3
			Certificate in Computer and Networking System	62	22	8
33	KOLEJ KOMUNITI JASIN	Merlimau, Melaka	Certificate in Creative Multimedia Advertising	48	25	9
			Certificate in Business Operation	19	0	0
			Certificate in Logistics Services	0	34	14
			Certificate in Computer and Networking System	17	17	0
			Certificate in Architectural Technology	21	12	12

34	KOLEJ KOMUNITI JELEBU	Kuala Klawang, Negeri Sembilan	Certificate in Food Processing and Quality Control	75	22	33
			Certificate in Computer and Networking System	38	13	6
			Certificate in Electrical Technology (Installation and Services)	41	15	32
			Certificate in Building Construction Technology	31	11	7
35	KOLEJ KOMUNITI JELI	Tanah Merah, Kelantan	Certificate in Fashion and Apparel	31	28	16
36	KOLEJ KOMUNITI JEMPOL	Bahau, Negeri Sembilan	Certificate in Light Weight Vehicle Service	26	19	3
			Certificate in Electrical Technology	30	23	9
			Certificate in Architectural Technology	18	5	4
37	KOLEJ KOMUNITI JERAI	Guar Chempedak, Kedah	Certificate in Tourism and Travel	43	16	7
38	KOLEJ KOMUNITI KELANA JAYA	Petaling Jaya, Selangor	Certificate in Light Weight Vehicle Service	0	27	20
39	KOLEJ KOMUNITI KEMAMAN	Kemaman, Terengganu	Certificate in Computer and Networking System	41	14	5
40	KOLEJ KOMUNITI KEPALA BATAS	Kepala Batas, Pulau Pinang	Certificate in 2D Animation	12	18	7
			Certificate in Light Weight Vehicle Service	11	38	9
			Certificate in Manufacturing Technology	14	28	6
			Certificate in Architectural Technology	5	28	8
41	KOLEJ KOMUNITI KLANG	Klang, Selangor	Certificate in Computer and Networking System	64	55	0
42	KOLEJ KOMUNITI KLUANG	Kluang, Johor	Certificate in Light Weight Vehicle Service	34	21	3
			Certificate in Beauty Therapy and SPA	10	10	3
43	KOLEJ KOMUNITI KOK LANAS	Ketereh, Kelantan	Certificate in Hairstyling	43	13	19

			Certificate in Creative Multimedia Advertising	73	27	15
			Certificate in Beauty Therapy and SPA	53	16	15
44	KOLEJ KOMUNITI KOTA MARUDU	Kota Marudu, Sabah	Certificate in Building Maintenance	0	9	5
			Certificate in Refrigeration and Air Conditioning Technology	0	11	9
45	KOLEJ KOMUNITI KOTA MELAKA	Bacang, Melaka	Diploma in Hairstyling	0	0	20
			Certificate in Hairstyling	0	15	0
			Certificate in Beauty Therapy and SPA	0	16	0
46	KOLEJ KOMUNITI KOTA TINGGI	Kota Tinggi, Johor	Certificate in Tourism and Travel	19	12	0
47	KOLEJ KOMUNITI KUALA KANGSAR	Kuala Kangsar, Perak	Diploma in Patisserie	18	0	18
			Certificate in Pastry	0	15	0
48	KOLEJ KOMUNITI KUALA LANGAT	Kuala Langat, Selangor	Diploma in Electrical Technology (Sound & Lighting)	0	0	2
			Certificate in 2D Animation	9	13	3
			Certificate in Tourism and Travel	11	11	6
			Certificate in Business Operation	11	22	0
			Certificate in Furniture Design and Manufacturing	0	11	0
			Certificate in Electrical Technology	20	42	0
			Certificate in Information Technology	24	25	16
49	KOLEJ KOMUNITI KUALA PILAH	Kuala Pilah, Negeri Sembilan	Certificate in Mobile Devices	5	21	3
50	KOLEJ KOMUNITI KUALA TERENGGANU	Kuala Terengganu, Terengganu	Certificate in Fashion and Apparel	47	17	9

			Certificate in Light Weight Vehicle Service	48	35	7
			Certificate in Electrical Technology	71	24	10
			Certificate in Building Construction Technology	24	20	1
			Certificate in Architectural Technology	30	0	0
51	KOLEJ KOMUNITI KUANTAN	Kuantan, Pahang	Certificate in Culinary	29	15	15
			Certificate in Hotel Operation	9	10	0
			Certificate in Electrical Technology (Installation and Services)	29	30	8
			Certificate in Manufacturing Technology	3	11	3
			Certificate in Architectural Technology	6	34	4
52	KOLEJ KOMUNITI KUCHING	Kuching, Sarawak	Diploma in Architectural Technology	16	0	0
			Certificate in Fashion and Apparel	26	14	9
			Certificate in Architectural Technology	80	41	14
53	KOLEJ KOMUNITI KULIM	Kulim, Kedah	Certificate in Creative Multimedia Advertising	43	33	17
			Certificate in Business Operation	53	20	13
54	KOLEJ KOMUNITI LAHAD DATU	Lahad Datu, Sabah	Certificate in Food Processing and Quality Control	0	35	9
55	KOLEJ KOMUNITI LEDANG	Tangkak, Johor	Certificate in Pastry	80	28	13
			Certificate in Business Operation	0	19	5
			Certificate in Light Weight Vehicle Service	5	39	1
			Certificate in Refrigeration and Air Conditioning Technology	4	25	3

56	KOLEJ KOMUNITI LIPIS	Kuala Lipis, Pahang	Certificate in Tourism and Travel	0	3	0
57	KOLEJ KOMUNITI MANJUNG	Seri Manjung, Perak	Certificate in Fashion and Apparel	8	18	5
58	KOLEJ KOMUNITI MAS GADING	Bau, Sarawak	Certificate in Landscape	0	2	0
			Certificate in Information Technology	11	29	9
59	KOLEJ KOMUNITI MASJID TANAH	Masjid Tanah, Melaka	Diploma in Rail Signalling and Communication Technology	21	0	0
			Certificate in Landscape	0	17	0
			Certificate in Computer and Networking System	2	16	0
			Certificate in Electrical Technology	11	34	12
			Certificate in Information Technology	4	19	0
60	KOLEJ KOMUNITI MIRI	Miri, Sarawak	Certificate in Industrial Maintenance	7	12	9
			Certificate in Interior Design	3	12	4
61	KOLEJ KOMUNITI MUAR	Muar, Johor	Certificate in Hairstyling	4	17	4
			Certificate in Beauty Therapy and SPA	5	5	2
62	KOLEJ KOMUNITI NIBONG TEBAL	Seberang Perai Selatan, Pulau Pinang	Certificate in Culinary	50	20	16
63	KOLEJ KOMUNITI PADANG TERAP	Kuala Nerang, Kedah	Certificate in Computer and Networking System	27	25	3
			Certificate in Electrical Technology	21	27	8
64	KOLEJ KOMUNITI PAGOH	Muar, Johor	Certificate in Fashion and Apparel	0	21	5
65	KOLEJ KOMUNITI PASIR GUDANG	Pasir Gudang, Johor	Certificate in Hairstyling	2	18	8
			Certificate in Fashion and Apparel	31	17	7

			Certificate in Business Operation	32	19	8
			Certificate in Information Technology	30	23	12
			Certificate in Beauty Therapy and SPA	28	15	4
66	KOLEJ KOMUNITI PASIR MAS	Wakaf Bharu, Kelantan	Certificate in Business Operation	9	44	13
67	KOLEJ KOMUNITI PASIR SALAK	Kg. Gajah, Perak	Certificate in Food Processing and Quality Control	43	42	8
			Certificate in Event Management	20	10	0
			Certificate in Light Weight Vehicle Service	7	30	8
			Certificate in Information Technology	21	22	4
68	KOLEJ KOMUNITI PAYA BESAR	Gambang, Pahang	Certificate in Creative Multimedia Advertising	9	22	8
			Certificate in Electrical Technology	7	65	3
			Certificate in Information Technology	10	28	0
69	KOLEJ KOMUNITI PEKAN	Pekan, Pahang	Certificate in Tourism and Travel	33	16	0
			Certificate in Light Weight Vehicle Service	23	33	8
70	KOLEJ KOMUNITI PENAMPANG	Penampang, Sabah	Certificate in Business Operation	19	16	9
			Certificate in Architectural Technology	37	19	18
71	KOLEJ KOMUNITI RAUB	Raub, Pahang	Certificate in Fashion and Apparel	13	14	2
72	KOLEJ KOMUNITI REMBAU	Rembau, Negeri Sembilan	Certificate in Agrotechnology	2	29	0
73	KOLEJ KOMUNITI ROMPIN	Kuala Rompin, Pahang	Certificate in Culinary	56	30	19
			Certificate in Hotel Operation	0	21	9

			Certificate in Light Weight Vehicle Service	13	26	0
			Certificate in Electrical Technology	20	22	4
			Certificate in Refrigeration and Air Conditioning Technology	0	17	5
74	KOLEJ KOMUNITI RTC GOPENG	Gopeng, Perak	Certificate in Information Technology	12	11	10
75	KOLEJ KOMUNITI SABAK BERNAM	Sabak Bernam, Selangor	Diploma in Architectural Technology	16	0	16
			Certificate in Fashion and Apparel	7	24	9
			Certificate in Food Processing and Quality Control	14	29	15
			Certificate in Electrical Technology	12	28	15
76	KOLEJ KOMUNITI SANDAKAN	Sandakan, Sabah	Certificate in Tourism and Travel	7	15	13
			Certificate in Electrical Technology	14	17	19
77	KOLEJ KOMUNITI SANTUBONG	Kuching, Sarawak	Certificate in Electrical Technology	10	12	12
78	KOLEJ KOMUNITI SARIKEI	Sarikei, Sarawak	Certificate in Culinary	24	17	11
			Certificate in Computer and Networking System	6	6	7
79	KOLEJ KOMUNITI SEBERANG JAYA	Perai, Pulau Pinang	Certificate in Industrial Internet of Things	6	0	0
			Diploma in Electronics (Instrumentation)	11	0	14
			Certificate in Electrical Technology	70	54	15
80	KOLEJ KOMUNITI SEGAMAT	Segamat, Johor	Certificate in 2D Animation	16	4	5
			Certificate in Building Maintenance	25	8	5
			Certificate in Computer and Networking System	0	17	2

			Certificate in Electrical Technology	34	14	4
			Certificate in Manufacturing Technology	18	7	5
81	KOLEJ KOMUNITI SEGAMAT 2	Segamat, Johor	Diploma in Photovoltaic Solar Technology	9	0	15
			Certificate in Electrical Technology	17	45	5
			Certificate in Information Technology	19	29	3
			Certificate in Architectural Technology	4	36	4
82	KOLEJ KOMUNITI SELANDAR	Selandar, Melaka	Certificate in Landscape	0	14	5
			Certificate in Business Operation	0	26	7
			Certificate in Computer and Networking System	4	24	0
			Certificate in Refrigeration and Air Conditioning Technology	7	28	0
83	KOLEJ KOMUNITI SELAYANG	Batu Caves, Selangor	Diploma in Games Art	25	0	13
			Special Certificate in Culinary	16	0	0
			Certificate in Fashion and Apparel	17	24	14
			Certificate in Culinary	25	28	30
			Certificate in Hotel Operation	12	16	13
			Certificate in Pastry	31	28	13
			Certificate in Interior Design	31	30	16
84	KOLEJ KOMUNITI SEMPORNA	Semporna, Sabah	Certificate in Tourism and Travel	33	15	8
85	KOLEJ KOMUNITI SHAH ALAM	Shah Alam, Selangor	Certificate in Interior Design	0	66	7

86	KOLEJ KOMUNITI SIK	Sik, Kedah	Certificate in Food Processing and Quality Control	53	40	9
87	KOLEJ KOMUNITI SUNGAI PETANI	Sungai Petani, Kedah	Diploma in Beauty Therapy	17	0	17
			Certificate in Culinary	31	58	29
			Certificate in Hotel Operation	15	26	7
			Certificate in Light Weight Vehicle Service	9	34	5
			Certificate in Beauty Therapy and SPA	0	25	0
88	KOLEJ KOMUNITI SUNGAI SIPUT	Sungai Siput Utara, Perak	Certificate in Light Weight Vehicle Service	7	37	4
			Certificate in Electrical Technology	4	41	5
			Certificate in Information Technology	8	23	8
89	KOLEJ KOMUNITI TAIPING	Kamunting, Perak	Certificate in Manufacturing Technology	22	16	8
			Certificate in Beauty Therapy and SPA	41	17	9
90	KOLEJ KOMUNITI TAMBUNAN	Tambunan, Sabah	Certificate in Agrotechnology	0	18	15
			Certificate in Tourism and Travel	0	19	6
			Certificate in Four Wheel Drive Vehicle Maintenance	0	14	10
91	KOLEJ KOMUNITI TAMPIN	Gemencheh, Negeri Sembilan	Certificate in Beauty Therapy and SPA	7	19	10
92	KOLEJ KOMUNITI TANGGA BATU	Klebang, Melaka	Certificate in Tourism and Travel	27	11	0
93	KOLEJ KOMUNITI TANJONG KARANG	Tanjong Karang, Selangor	Certificate in Architectural Technology	6	24	2
94	KOLEJ KOMUNITI TANJUNG PIAI	Pontian, Johor	Certificate in Computer and Networking System	19	22	4
95	KOLEJ KOMUNITI TAPAH	Tapah, Perak	Certificate in Architectural Technology	0	33	10

96	KOLEJ KOMUNITI TASEK GELUGOR	Butterworth, Pulau Pinang	Certificate in Pastry	36	9	16
			Certificate in Refrigeration and Air Conditioning Technology	6	14	2
97	KOLEJ KOMUNITI TAWAU	Tawau, Sabah	Certificate in Culinary	13	20	15
			Certificate in Light Weight Vehicle Service	17	35	11
			Certificate in Computer and Networking System	13	38	15
			Certificate in Electrical Technology	0	39	8
98	KOLEJ KOMUNITI TELUK INTAN	Teluk Intan, Perak	Certificate in 3D Animation	38	13	7
			Certificate in Construction Site Supervision	25	13	4
99	KOLEJ KOMUNITI TEMERLOH	Temerloh, Pahang	Certificate in Fashion and Apparel	5	29	0
			Certificate in Building Maintenance	3	25	2
			Certificate in Furniture Design and Manufacturing	2	4	3
			Certificate in Information Technology	7	22	5
100	LANGKAWI TOURISM ACADEMY @ KOLEJ KOMUNITI LANGKAWI	Langkawi, Kedah	Certificate in Culinary Arts	0	42	26
			Certificate in Culinary Arts Joint Certificate with Taylor's University	67	0	0
			Certificate in Food & Beverage Service	0	23	0
			Certificate in Food & Beverage Service Joint Certificate with Taylor's University	11	0	0
			Certificate in Recreational Tourism	0	21	7
			Certificate in Room Division	0	8	0
			Certificate in Room Division Joint Certificate with Taylor's University	4	0	0

			Diploma in Hotel Management	0	9	10
			Diploma in Hotel Management Joint Certificate with Taylor's University	8	0	0
			Diploma in Hotel Management Joint Certificate with Taylor's University	14	0	0
			Diploma in Hotel Management Joint Certificate with Taylor's University	10	0	0
TOTAL				5,119	4,926	1,831