To be eligible for consideration for admission to the 2-Year *Higher Nitec* courses under JAE, applicants must have the minimum results as shown in the table of courses for this section. To apply under the Main-Phase JAE application period conducted by MOE, applicants must also have sat for at least 5 GCE 'O' level subjects over a maximum of 2 years. Otherwise, applicants could apply under the Final JAE ITE Appeal period in second half of February 2023. CCA cannot be used to meet the minimum entry requirements.

The "**Net Aggregate Range for Previous (2022) JAE**" in the table below shows the **net aggregate scores of the highest to lowest ranked students who were admitted to these courses in the 2022 Joint Admissions Exercise (JAE)**. These aggregate scores are meant as a reference for applicants applying to these courses, and **do not** constitute the admission scores for subsequent admission exercises. The net aggregate scores for the courses are not pre-determined by MOE or ITE before posting. The eventual course aggregate scores for the 2023 JAE may vary from previous years, depending on students' GCE 'O' Level examination results and their course choices during the JAE.

2-Year *Higher Nitec* Courses By School	ITE College	MOE JAE & Combined JAE Appeal Code ⑥	Net Aggregate Range for Previous (2022) JAE	JAE Aggr Type ⑧	ITE Course Code for Final Appeal Phase ⑦	Minimum Entry Requirements
APPLIED SCIENCES						
Biotechnology ⑤	CE-SM	V18	13 to 27	ELR2B2	HFBTZ	3 GCE 'O' Grades: **Grade 1 to 8** in English Language **Grade 1 to 7** in Mathematics (Elementary/Additional) **Grade 1 to 8** in one of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Human & Social Biology • Integrated Science • Physics / Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) / Physical Science • Science (Physics, Biology, Chemistry)
Chemical Technology ⑤	CE-SM	V44	19 to 29	ELR2B2	HFCTZ	
BUSINESS & SERVICES						
Accounting ⑤	CC-AM CE-SM CW-CK	V39 V27 V90	12 to 29 15 to 35 16 to 31	ELR1B3	HF2AC	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 8** in Mathematics (Elementary/Additional) *or* Principles of Accounts* **Grade 1 to 7** in one other subject **Note:** * *To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).*
Event Management ⑤	CC-AM CE-SM	V40 V41	17 to 37 20 to 32	ELR1B3	HFEVZ	
Financial Services ⑤	CC-AM	V52	13 to 39	ELR1B3	HFFSV	
Human Resource & Administration ⑤	CC-AM CE-SM	V91 V92	18 to 25 17 to 37	ELR1B3	HFHRZ	
International Logistics ⑤	CE-SM	V81	13 to 33	ELR1B3	HFILO	

2-Year *Higher Nitec* Courses By School	ITE College	MOE JAE & Combined JAE Appeal Code ⑥	Net Aggregate Range for Previous (2022) JAE	JAE Aggr Type ⑧	ITE Course Code for Final Appeal Phase ⑦	Minimum Entry Requirements
BUSINESS & SERVICES						
Maritime Business ⑤	CC-AM	V86	13 to 36	ELR1B3	HFMBZ	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 8** in Mathematics (Elementary/Additional) *or* Principles of Accounts* **Grade 1 to 7** in one other subject
Retail & Online Business ⑤	CC-AM	V66	20 to 30	ELR1B3	HFRBZ	
Service Management ⑤	CW-CK	V62	20 to 36	ELR1B3	HFSVZ	
Sport Management ②⑤	CC-AM CE-SM CW-CK	V12 V19 V85	14 to 28 18 to 34 22 to 34	ELR1B3	HF2SM	**Note:** * To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).
Beauty & Wellness Management ②⑤	CE-SM	V54	12 to 37	ELB4	HFBWM	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 7** in two other subjects
Leisure & Travel Operations ⑤	CW-CK	V65	21 to 36	ELB4	HFLTZ	**Note:** *To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).*
Passenger Services ⑤	CC-AM CE-SM	V82 V80	19 to 36 18 to 35	ELB4	HFPSZ	
BUSINESS & SERVICES (Conducted by the National Institute of Early Childhood Development in collaboration with ITE)						
Early Childhood Education ③⑤	CC-AM	V42	13 to 31	ELB4	HFCHZ	3 GCE 'O' Grades: **Grade 1 to 6** in English Language **Grade 1 to 6** in two other subjects **Note:** *To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).*
DESIGN & MEDIA						
Filmmaking (Cinematography) ①⑤	CC-AM	V93	16 to 27	ELR1B3	HFFLZ	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 8** in Mathematics (Elementary/Additional) *or* Principles of Accounts* **Grade 1 to 7** in one other subject
Performance Production ①④⑤	CC-AM	V97	17 to 36	ELR1B3	HFPPZ	**Note:** * To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).
Interactive Design ①⑤	CC-AM	V94	11 to 36	ELR1B3	HFIDZ	3 GCE 'O' Grades: **Grade 1 to 8** in English Language **Grade 1 to 7** in Mathematics (Elementary/Additional) *or* Principles of Accounts* **Grade 1 to 8** in one other subject
Visual Effects ①⑤	CC-AM	V15	19 to 33	ELR1B3	HFVFX	**Note:** * To be eligible for admission, you must also have sat for Mathematics (Elementary/Additional).

2-Year *Higher Nitec* Courses By School	ITE College	MOE JAE & Combined JAE Appeal Code ⑥	Net Aggregate Range for Previous (2022) JAE	JAE Aggr Type ⑧	ITE Course Code for Final Appeal Phase ⑦	Minimum Entry Requirements
DESIGN & MEDIA						
Architectural Technology ①⑤	CC-AM	V10	19 to 29	ELR2B2	HFATG	3 GCE 'O' Grades: **Grade 1 to 8** in English Language **Grade 1 to 7** in Mathematics (Elementary/Additional) **Grade 1 to 8** in one of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics / Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) / Physical Science • Science (Physics, Biology, Chemistry)
Motion Graphics ①⑤	CC-AM	V14	10 to 21	ELB4	HFMOG	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 8** in two other subjects **<u>Note:</u>** *To be eligible for admission, you must also have sat for Mathematics (Elementary/ Additional).*
Visual Merchandising ①⑤	CC-AM	V55	14 to 30	ELB4	HFVMZ	

2-Year *Higher Nitec* Courses By School	ITE College	MOE JAE & Combined JAE Appeal Code ⑥	Net Aggregate Range for Previous (2022) JAE	JAE Aggr Type ⑧	ITE Course Code for Final Appeal Phase ⑦	Minimum Entry Requirements
ELECTRONICS & INFO-COMM TECHNOLOGY						
AI Applications ⑤	CC-AM CW-CK	V16 V25	- 4 to 28	ELR2B2	HF2AI	3 GCE 'O' Grades: **Grade 1 to 8** in English Language **Grade 1 to 7** in Mathematics (Elementary/Additional) **Grade 1 to 8** in one of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics / Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) / Physical Science • Science (Physics, Biology, Chemistry)
Business Information Systems ⑤	CE-SM	V49	14 to 33	ELR2B2	HF2BI	
Cyber & Network Security ⑤	CC-AM CE-SM CW-CK	V22 V47 V74	15 to 26 21 to 39 19 to 34	ELR2B2	HF2CN	
Data Engineering ⑤	CW-CK	V20	11 to 36	ELR2B2	HF2DE	
Electronics Engineering ①⑤	CC-AM CE-SM CW-CK	V11 V29 V68	23 to 35 19 to 31 19 to 34	ELR2B2	HF2EC	
Immersive Applications & Game ⑤ *This is a new course which has been formed from the merger of the following courses. These courses will no longer be offered for the 2023 intake:* <table><tr><td>**Course Title & Code**</td><td>**Net Aggregate Range for Previous (2022) JAE**</td></tr><tr><td>Games Art & Design, V45</td><td>12 to 28</td></tr><tr><td>Games Programming & Development, V99</td><td>19 to 29</td></tr></table>	CC-AM	V17	-	ELR2B2	HF2IG	
IT Applications Development ⑤	CC-AM CE-SM CW-CK	V61 V87 V63	22 to 34 27 to 32 27 to 35	ELR2B2	HF2IA	
IT Systems & Networks ⑤	CC-AM CE-SM CW-CK	V26 V30 V70	22 to 36 20 to 31 14 to 14	ELR2B2	HF2IS	
Security System Integration ①⑤	CW-CK	V77	28 to 30	ELR2B2	HF2SI	

2-Year *Higher Nitec* Courses By School	ITE College	MOE JAE & Combined JAE Appeal Code ⑥	Net Aggregate Range for Previous (2022) JAE	JAE Aggr Type ⑧	ITE Course Code for Final Appeal Phase ⑦	Minimum Entry Requirements
ENGINEERING						
Civil & Structural Engineering Design ⑤	CE-SM	V23	19 to 30	ELR2B2	HFCSZ	3 GCE 'O' Grades: **Grade 1 to 8** in English Language **Grade 1 to 7** in Mathematics (Elementary/Additional) **Grade 1 to 8** in one of the following subjects: • Biology • Biotechnology • Chemistry • Combined Science • Computing / Computer Studies • Design & Technology • Electronics / Fundamentals of Electronics • Human & Social Biology • Integrated Science • Physics / Engineering Science • Science (Chemistry, Biology) • Science (Physics, Biology) • Science (Physics, Chemistry) / Physical Science • Science (Physics, Biology, Chemistry)
Electrical Engineering ①⑤	CE-SM CW-CK	V28 V67	28 to 32 27 to 40	ELR2B2	HFEEZ	
Engineering with Business ⑤	CC-AM	V84	16 to 34	ELR2B2	HFEUZ	
Facility Management ①⑤	CE-SM CW-CK	V88 V89	23 to 32 22 to 31	ELR2B2	HFFMZ	
Integrated Mechanical & Electrical Design ⑤	CE-SM	V24	14 to 14	ELR2B2	HFIMD	
Landscape Management & Design ①⑤	CE-SM	V60	18 to 39	ELR2B2	HFLMZ	
Marine Engineering ⑤	CC-AM	V71	21 to 34	ELR2B2	HFMRZ	
Marine & Offshore Technology ⑤	CC-AM	V72	27 to 30	ELR2B2	HFMOZ	
Mechanical Engineering ⑤	CC-AM CE-SM CW-CK	V21 V35 V78	22 to 33 23 to 32 15 to 32	ELR2B2	HFMEZ	
Mechatronics Engineering ①⑤	CC-AM CW-CK	V13 V73	15 to 32 22 to 32	ELR2B2	HFMCZ	
Offshore & Marine Engineering Design ⑤	CC-AM	V75	19 to 28	ELR2B2	HFOMZ	
Rapid Transit Engineering ①⑤	CW-CK	V96	24 to 24	ELR2B2	HFRTZ	
Robotics & Smart Systems ①⑤	CC-AM	V98	23 to 32	ELR2B2	HFRSS	
HOSPITALITY						
Hospitality Operations ⑤	CW-CK	V64	16 to 36	ELB4	HFHPZ	3 GCE 'O' Grades: **Grade 1 to 7** in English Language **Grade 1 to 7** in two other subjects **Note:** *To be eligible for admission, you must also have sat for Mathematics (Elementary/ Additional).*

ITE COLLEGES:

CC-AM:	ITE College Central at Ang Mo Kio Drive	CE-SM: ITE College East at Simei Avenue	CW-CK: ITE College West at Choa Chu Kang Grove

For general course advising, applicants may make an appointment online with one of our Education & Career Guidance (ECG) Counsellors via https://for.edu.sg/ecg.

The offer of an ITE course to applicants is subject to them being physically, medically and mentally fit to pursue the course. This is to ensure that all students can benefit from ITE training in a safe and conducive environment. Applicants or students assessed by ITE as being unfit can be withdrawn from the course. Where appropriate, they may be considered for other courses if there are suitable ones. The Learning Accessibility Office (LAO) at each ITE College will provide support to students with special educational needs in their learning process at ITE. Applicants with special educational needs are strongly encouraged to seek prior academic course advising from the respective College(s) via https://for.edu.sg/LAO before selecting their choice of application.

Notes:

① In line with industry requirements, applicants applying for these courses should ensure that they do not have colour appreciation deficiency. Colour Vision Test will be conducted for applicants enrolled into these courses. Colour Vision Test is available over the Internet at https://colormax.org/color-blind-test/ and at the ITE Colleges conducting these courses. Please take the test before submitting your application if you are not sure whether you have colour appreciation deficiency.

② Applicants applying for this course have to pass a pre-admission medical examination.

③ Applicants applying for *Higher Nitec* in Early Childhood Education have to pass a pre-admission medical examination to enter the course. In addition, to ensure the well-being and safety of children, the Early Childhood Development Agency (ECDA) requires all pre-school staff to be certified medically fit to work with young children. More details on the medical examination can be found at http://bit.ly/NIECmedical.

The *Higher Nitec* in Early Childhood Education is awarded by the National Institute of Early Childhood Development (NIEC) in collaboration with Institute of Technical Education.

④ In line with industry requirements, applicants applying for this course should ensure that they do not have acrophobia.

⑤ For all courses:
   (I) The 2-year *Higher Nitec* courses comprise 3 or 6 months of Industry Attachment.
   (II) As all ITE courses will incorporate online learning as part of lesson delivery, students are advised to have access to a PC/Laptop for their learning. Financial assistance is available to eligible students under ITE Opportunity Fund to purchase PC/Laptop subject to terms and conditions. For details, please refer to the 2023 GCE 'O' Level Admission Booklet.

MOE JAE COURSE CODES AND ITE COURSE CODES

⑥ MOE codes are used for applications submitted online through the MOE JAE Internet System (JAE-IS) and appeals submitted online through the Combined Polytechnic-ITE JAE Appeal Portal. The JAE-IS is accessible through the JAE website at https://www.moe.gov.sg/jae during the JAE registration. Appeals could be submitted through the Combined Polytechnic-ITE JAE Appeal Portal at https://jaeappeal.edu.sg within 4 working days following the release of JAE posting results by MOE.

⑦ ITE course codes are used for appeals submitted online through the ITE website at https://www.ite.edu.sg during the final appeal phase [between Mon 20 Feb 2023 (9am) and Mon 10 Apr 2023 or between Thu 13 Apr 2023 and Fri 28 Apr 2023] after the release of the Combined Polytechnic-ITE JAE appeal posting results.

JAE AGGREGATE COMPUTATION

⑧ The aggregate computation for admission to *Higher Nitec* courses are shown in table below. Grades for both Higher Mother Tongue Language (viz. Higher Chinese, Higher Malay and Higher Tamil) and Mother Tongue Language (viz. Chinese, Malay and Tamil) cannot be used in the same aggregate computation. "Merit" and "Pass" grades for the Mother Tongue 'B' Syllabus (viz. Chinese 'B', Malay 'B' and Tamil 'B') cannot be used for the computation of aggregate points. The "**R2**" in EL**R2**B2 refers to 1 subject from "1st Group of Relevant Subjects" and 1 subject from "2nd Group of Relevant Subjects".

Aggregate Type	ELB4, ELR1B3 & ELR2B2: For *Higher Nitec* Courses					
	ELB4	ELR1B3		ELR2B2		
EL	English					
B4	Best 4 other subjects	R1	• Elementary Mathematics • Additional Mathematics • Principles of Accounts	R2	1st Group of Relevant Subjects	• Elementary Mathematics • Additional Mathematics
		B3	Best 3 other subjects		2nd Group of Relevant Subjects	• Biology • Biotechnology • Chemistry • Combined Science • Computing/Computer Studies • Design & Technology • Electronics/Fundamental of Electronics • Human & Social Biology • Integrated Science • Physics/Engineering Science • Science (Chem, Bio) • Science (Phy, Bio) • Science (Phy, Chem)/Physical Science • Science (Phy, Chem, Bio)
				B2		Best 2 other subjects