ECG Talk for Upper Secondary

Fairfield Methodist School (Secondary)

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Education & Career Guidance Counsellor

FEB 2 2024

WHAT WE WILL COVER

- Post-secondary Options
 - JC/MI
 - Poly
- Aptitude-admissions exercises
 - DSA-JC
 - Poly EAE
- Q&A



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POST-SECONDARY OPTIONS

Post-Secondary School tracks 4 MAIN TRACKS

1

Junior Colleges (JCs) or Millennia Institute

Prepares students for the GCE 'A' level examination or International Baccalaureate Diploma Programme.

3

Institute of Technical Education (ITE)

Equips students with technical knowledge and skills relevant to the industry.

2

Polytechnics

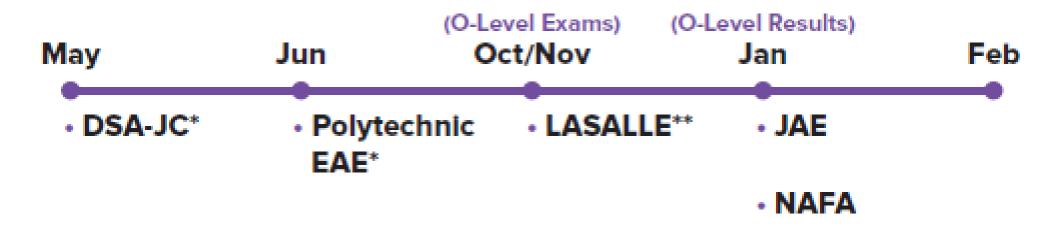
Trains students with relevant skills for the workplace in a knowledge-based economy.

4

Art Institutions

Allows students with the aptitude and interest to pursue the creative arts at the tertiary level.

When can I apply?



Aptitude-Based Admissions (ABA)

- Direct School Admissions (DSA)
- Early Admissions
 Exercises (EAE)

Merit-based Admissions

 Joint Admissions Exercise (JAE)

JUNIOR COLLEGE (JC)/ MILLENNIA INSTITUTE (MI)

ENTRY REQUIREMENTS

Junior College (JC) & Millennia Institute (MI)

Prepares students for the GCE 'A' Level or International Baccalaureate (IB) examination

Length of study:

JCs – 2 years

MI - 3 years

Aggregate Range:

To enter a JC:

L1R5 ≤ 20

To enter MI:

L1R4 ≤ 20



L1R5 - Junior College

L1R5: For JC Course				
L1	First Language	-	English/Higher Mother Tongue	
R5	Relevant Subject 1 Relevant Subject 2 Relevant Subject 3 Relevant Subject 4 Relevant Subject 5	-	Humanities/Higher Art/Higher Music/Malay (Special Programme)/ Chinese (Special Programme)/Bahasa Indonesia Mathematics/Science Humanities/Higher Art/Higher Music/Mathematics/ Science/ Malay (Special Programme)/Chinese (Special Programme)/ Bahasa Indonesia Any GCE O-Level subjects (except Religious Knowledge) Any GCE O-Level subjects (except Religious Knowledge)	

L1R4 - Millennia Institute (MI)

	L1R4 : For MI Course			
L1	First Language	-	English/Higher Mother Tongue	
R4	Relevant Subject 1 Relevant Subject 2	-	Humanities/Higher Art/Higher Music/Mathematics/ Science/ Malay (Special Programme)/Chinese (Special Programme)/ Bahasa Indonesia Humanities/Higher Art/Higher Music/Mathematics/ Science/ Malay (Special Programme)/Chinese (Special Programme)/ Bahasa Indonesia	
	Relevant Subject 3 Relevant Subject 4	-	Any GCE O-Level subjects (except Religious Knowledge) Any GCE O-Level subjects (except Religious Knowledge)	

JC and MI: Subject Requirements

Table 10 Subject Requirements

	Subject	Requirement	
English	English Language		
Mother	Tongue Language * :		
	Chinese Language, Malay Language, Tamil Language	A1 to D7	
<u>OR</u>	Higher Chinese Language, Higher Malay Language, Higher Tamil Language	A1 to E8	
<u>OR</u>	Chinese Language 'B' Syllabus, Malay Language 'B' Syllabus, Tamil Language 'B' Syllabus	Merit or Pass	
Mathematics:			
	Mathematics	A1 to D7	
<u>OR</u>	Additional Mathematics	A1 to D7	

· A-LEVEL CURRICULUM · °

JC/MI: Typical Subject Combination

CONTENT-BASED SUBJECTS

At least one subject is from a contrasting discipline

3H2 + 1H1

OR

4H2

General Paper (GP)
Project Work (PW)
Mother Tongue (MT)*

3 Compulsory H1 Subjects

^{*} Exempted if student scored at least D7 for higher MT at O levels

Contrasting Subject

Mathematics & Sciences

- Physics
- Chemistry contrasting
- Biology
- Mathematics
- FurtherMathematics
- Computing

Humanities & Arts

- Economics
- History (EL/CL)
- Geography
- Literature
- Music
- Art
- Theatre Studies & Drama
- English Lang & Linguistics
- CL/ML/TL Lang & Lit
- China Studies (EL/CL)



Changes to A-level Curriculum

From AY2026, only 3 H2 contentbased subjects will count towards the University Admission Score (UAS) by default.

Fourth content-based subject included only if it improves score.

Project Work will be a Pass/Fail subject.

From 2024, all JC1 students will be required to study **General Paper** (GP), which will be **delinked** from Knowledge & Inquiry (KI).

No more mid-year exams for JCs and Millennia Institute progressively, starting with the cohort entering in 2024.



Changes to A-level Curriculum

From AY2026, only 3 hased subjects will conthe University Admiss (UAS) by default.

Fourth content-based sincluded only if it impro

all JC1 students will I to study **General**, which will be om Knowledge &

Project Work will be a subject.

llennia Institute

cohort entering in 2024.



Choosing your JC subject combination

A-level Requirements @ NUS



Singapore-Cambridge A-Level Applicants with H1/H2 Results

Single Degree Programmes	Subject Requirements	Selection test/interview
Architecture	H1 pass in Chemistry, Mathematics <i>or</i> Physics; OR Pass in O-Level Additional Mathematics	Yes
Business Administration	H1 pass in Mathematics; OR Pass in O-Level Additional Mathematics	No
Business Analytics	H2 pass in Mathematics or Further Mathematics	No
Computer Engineering	H2 pass in Mathematics or Further Mathematics and either Physics, Computing or Chemistry Students without H1 or H2 Physics need to have an O-Level pass in Physics or its equivalent and would be required to take Physics bridging modules.	No

Please refer to other universities' websites for their requirements.



Choosing your JC subject combination A-level Requirements @ SUTD

The University
 Arts stream st

• • •

While it is recordand a Science do consider you subjects taker may also be en start of term.



oth Science and

en Mathematics mistry, at H2, we and the Science ant as well. You nodules before



POLYTECHNIC

•

ENTRY REQUIREMENTS

To be admitted to Polytechnic diploma courses

 The student will need to obtain a net ELR2B2 aggregate score of 26 points or better* and meet Minimum Entry Requirements (MERs)

*Exception is for Nursing courses, which requires a net ELR2B2 aggregate of 28 points or better

EL	R2	B2
English language	2 Relevant Subjects	2 Best Subjects

ELR2B2 net aggregate score

= EL + R2 + B2 minus CCA bonus points

Subject-specific Minimum Entry Requirements (MERs)

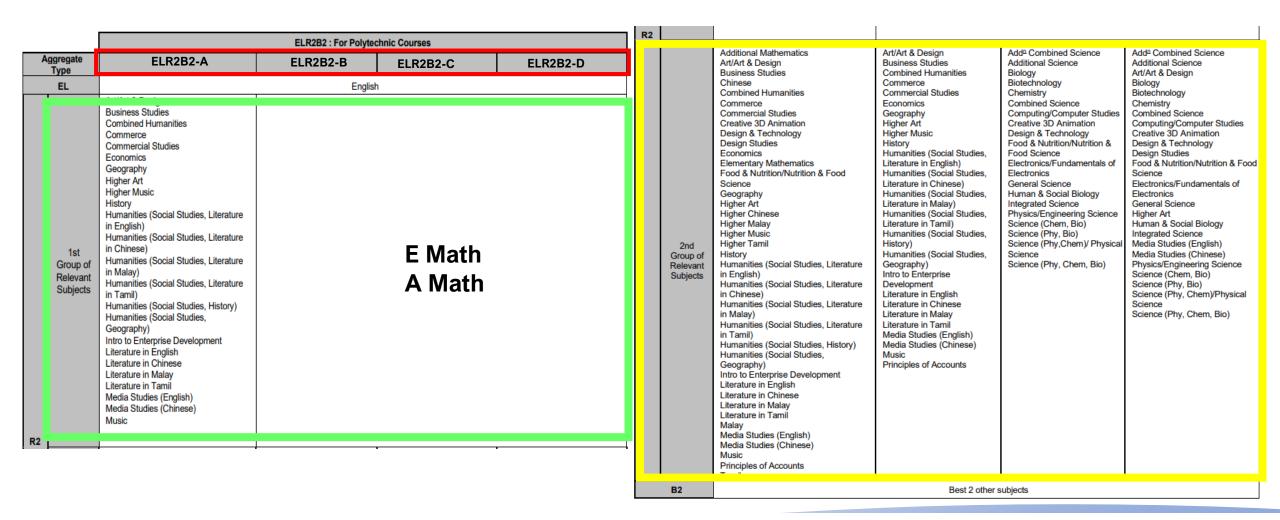
 MERs ensure that the student has the necessary proficiency to cope with the academic demands for the course

4 aggregate types: ELR2B2-A/B/C/D

A	Humanities or Media courses	В	Business courses
C	Engineering, Science, Facility Management or IT courses	D	Architecture or Design courses

How different aggregate types are computed

ELR2B2-A/B/C/D



For the full list, go to https://www.moe.gov.sg/post-secondary/admissions/jae/polytechnics

How different aggregate types are computed



ELR2B2-A	Subjects
EL	English Language
R2 (1st Group of Relevant Subjects)	 Art Geography History Humanities (Social Studies, Literature/History/ Geography)
R2 (2nd Group of Relevant Subjects)	 Additional Mathematics Art Chinese/Malay/Tamil Design & Technology Elementary Mathematics Food & Nutrition/Nutrition & Food Science Geography/History/Literature Humanities (Social Studies, Literature/History/Geography) Principles of Accounts
B2	Best 2 other subjects

* DIRECT SCHOOL ... ADMISSIONS-JC

DSA JC application

- Apply through individual JC's website based on your talent in sports, CCAs and specific academic areas that may not be demonstrated at the O-Level examinations.
- Submit personal statement, portfolio, character reference, school results and CCA records, if required.
- Undergo selections and interviews, if shortlisted.
- Different JCs have different DSA domains, timelines and requirements.

Tips on supporting your child

Research with your child

SchoolFinder

JC websites

DSA Requirements (personal statements, portfolio etc)

University websites

MySkillsFuture portal

Discussion points:

- a. Reasons for choosing the school
- b. Does the school have the DSA domain/subject combination he/she wants?
- c. Evidence of his/her pursuit of the DSA domain
- d. Strengths/weaknesses (with examples)
- e. Purpose, long-term goals, career aspiration, career prospects
- f. Possible University courses & requirements

POLYTECHNIC LEARLY-ADMISSIONS EXERCISE

Poly EAE application

- Apply through the Poly EAE portal, based on courserelated interests and aptitude.
- Select up to 3 courses, and submit write-ups
 - a. 600 characters compulsory
 To show aptitude and interest in the course
 - b. 1000 characters optional
 Recommended to include other achievements and talents
- Submit portfolio and relevant documents, if required.
- Undergo interviews and aptitude tests, if shortlisted.

Tips on supporting your child

Research with your child

CourseFinder

Poly websites

EAE Assessment Criteria

University websites

MySkillsFuture portal

Discussion points:

- a. Reasons for choosing the course
- b. Evidence of related activities
- c. Next steps after Poly
- d. Purpose, long-term goals, career aspiration, career prospects
- e. Possible University course & requirements
- f. What exactly will he/she be learning?
- g. Strengths/weaknesses (with examples)

DSA/EAE: Things to note!

DSA JC

- May participate in DSA JC and Poly EAE concurrently but can only accept one offer.
- Offer is conditional.
 Need to meet JC eligibility of raw
 L1R5 ≤ 20 points and subject requirements.

Poly EAE

- Only one Poly course offer will be given.
- Offer is conditional.
 Need to meet net ELR2B2 of ≤ 26 points and meet Minimum Entry Requirements for the course.

Students whose conditional offers are confirmed after the release of 'O' level results are **not allowed** to transfer schools/switch courses or participate in the Joint Admission Exercise (JAE).



Q8A



JC or Poly - which suits my child?

A Levels versus Poly

PROGRAMME FACTORS	A LEVELS (2 years)	POLY (3 years)
INTERESTS	 Interested in a range of subjects 	Ready to specialise
LEARNING STYLE	 More conceptual/ theoretical learning/ in-depth subject mastery 	 More practice-based applied learning
TIME TABLE/ SCHEDULE	Prefers structure	 Self-directed; freedom to plan his/her time
ASSESSMENT	Able to do well under exam format	 Able to do well consistently (cumulative GPA)

My SkillsFuture Portal



About

Know Yourself

World of Work >

Education Guide



- World of Work
- EducationGuide





https://go.gov.sg/mysfsec

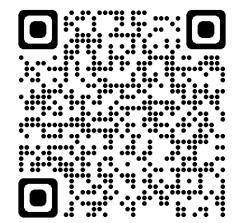
Career Assessment tools



High demand for local uni spots



- About 4 in 5 A-level and IB graduates enrol in the universities, up from three in four in 2015.
- About 1 in 3 poly grads matriculate at universities here, up from around one in four in 2015.
- There is no quota on the number of places given to polytechnic graduates.
- Most of the new university places created over the last 10 years went to polytechnic diploma holders.



Indicative Grade Profile (IGP) -A-Level Applicants

Table 1: Grade Profiles of the 10th and 90th percentiles of A-Level Applicants offered places for programmes at NUS in Academic Year 2023/2024² ✓

NUS Programmes	Representative Grade Profile: 3H2/1H1				
	10th percentile	90th percentile			
Faculty of Law					
Law*	AAA/A	AAA/A			
School of Medicine					
Medicine*	AAA/A	AAA/A			
Nursing*	CCD/B	AAB/C			
Faculty of Dentistry					
Dentistry*	AAA/A	AAA/A			



Please refer to other universities' websites for their IGP.

Table 2: Polytechnic GPAs of the 10th and 90th percentiles of Polytechnic Applicants offered places for programmes at NUS in Academic Year 2023/2024³

Indicative	
Grade Profi	le
(IGP)	
Poly	
Applicants	

NUS Programmes	Representative Grade Profile: Polytechnic GPA	
	10th percentile	90th percentile
Faculty of Law		
Law*	3.75	3.96
School of Medicine		
Medicine*	3.78	3.98
Nursing*	3.28	3.79
Faculty of Dentistry		
Dentistry*	#	#



University Admissions via Poly - requirements

Relevant Poly diplomas @ NUS



Single Degree Programme

Acceptable Diplomas from Singapore Polytechnic



Selection test / Interview



Relevant Poly diplomas @ NUS

Single Degree Programme	Acceptable Diplomas from Singapore Polytechnic	Selection test / Interview
Architecture	 All full-time diplomas; and Meet Mathematics requirements 	Yes
Business Administration	• All full-time diplomas. Please refer to https://bba.nus.edu.sg/ for additional information on the respective majors.	No
Business Analytics	 All full-time diplomas; and Meet Mathematics requirements 	No

singapore-polytechnic.pdf (nus.edu.sg)

Relevant Poly diplomas @ NUS: Math requirements

NUS Degree Programme	GCE O-Level Mathematics Requirements
Architecture	At least a pass in Mathematics
Business Administration and Business Administration (Accountancy)	 At least a pass in Additional Mathematics.
Business Analytics	 At least a A2 grade in Mathematics; or At least a B3 grade in Additional Mathematics

mathematics-requirements-for-polytechnic-applicants.pdf (nus.edu.sg)

https://bba.nus.edu.sg/admissions-scholarships/entry-requirements/

Single Degree Programme	Acceptable Diplomas from Singapore Polytechnic	Selection test / Interview
Medicine	 Applied Chemistry Biomedical Science Biotechnology Chemical Engineering Food Science & Technology Materials Science Nutrition, Health & Wellness and more Applicants applying for Medicine need to submit a portfolio to NUS Medicine Admissions Portal after completing their undergraduate admissions 	Yes

For the full list and other requirements, please go to singapore-polytechnic.pdf (nus.edu.sg)

Options for Course 5

Course 5: EL; MTL: E Math; Combined Humanities; Combined Science (Phy-Chem); Coursework; Humanities



Subject requirements - ACJC

H2 BIOLOGY/CHEN

- Pass in 'O' level bi physics; OR
- Indicative recomm minimum 'B3' for with biology/chem

H1 BIOLOGY/CHE

- Pass in 'O' level t
- Pass in combine biology/chemistry



EMATICS

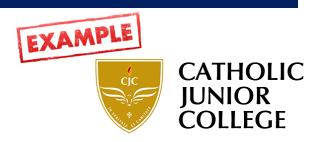
are recommended to inimum B4 grade in Additional atics.

EMATICS

quisites to offer H1 atics.

Post-secondary options that do not require Math or are less Math-centric

Arts stream in JC



Arts	A1	Math	Econs	Geo	Chem, Phy, Hist, Lit
(23A)	A2	Math	Econs	Hist	Chem, Phy, Geo, Lit
	A3	Math	Econs	Lit	Chem, Phy, Geo, Hist
	A4	Econs	Geo	Lit	Math
	A5	Econs	Hist	Lit	Math

3H2 and 1H1 Content Subject Combinations (Arts)

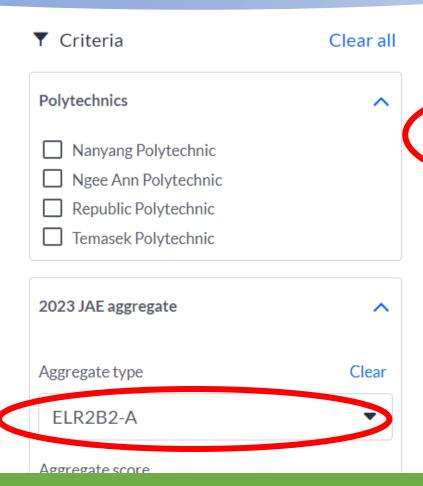




	H2	H2	H2	HI
1	Economics	History	Literature	Mathematics
2	Economics	History	Literature	Physics
3	Economics	History	Literature	Biology
4	Economics	History	Literature	Chemistry
5	Art	History	Literature	Mathematics
6	Art	History	Literature	Physics
7	Art	History	Literature	Biology
8	Art	History	Literature	Chemistry
9	Economics	Art	Literature	Mathematics
10	Economics	Art	Literature	Physics

Please refer to other schools' websites for their subject combinations.

CourseFinder



Poly ELR2B2-A

Courses in Polytechnics

Showing **16** courses

Aggregate type: ELR2B2-A ×



Arts & Theatre Management

Course code: R25

Admission Type: JAE, DAE, JPAE, Poly EAE, PFP

Republic Polytechnic

2023 JAE ELR2B2-A aggregate: 13 - 19

Chinese Media & Communication

Course code: N88

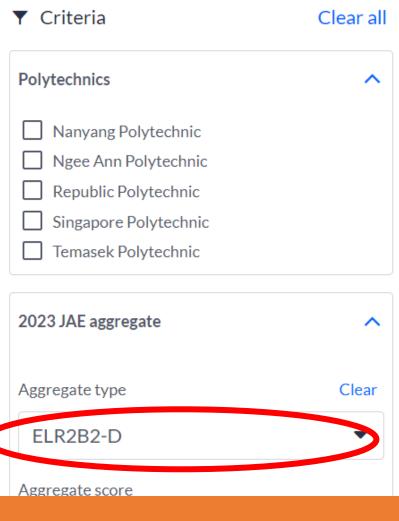
Admission Type: JAE, DAE, JPAE, Poly EAE, PFP

Ngee Ann Polytechnic

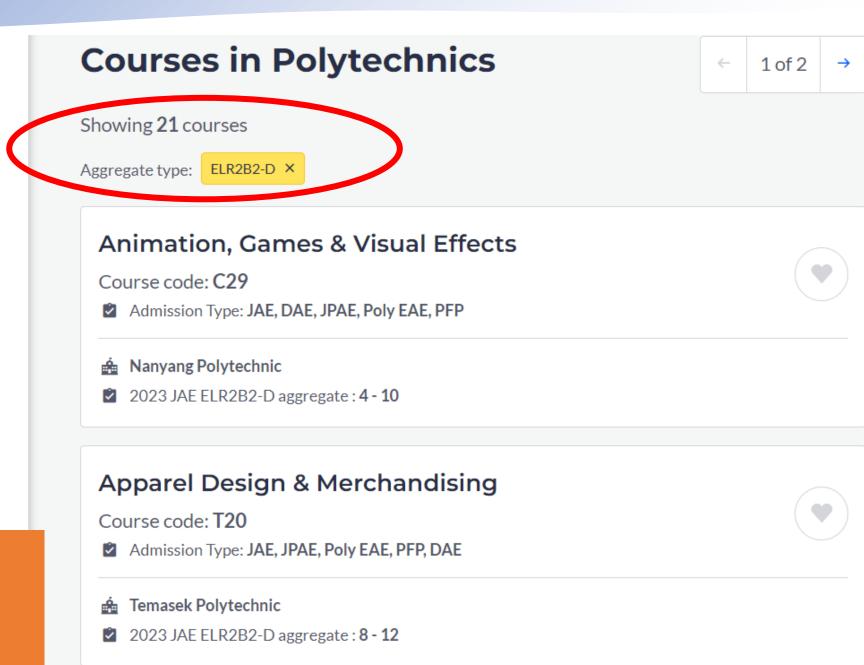
2023 JAE ELR2B2-A aggregate: 4 - 13



CourseFinder



Poly ELR2B2-D



Pathways for students with interest in robot-assisted surgeries



BEng (Biomedical Engineering) @ NUS

Applicant Category	Pre-Requisites
Singapore-Cambridge GCE 'A' Level	Pass in Mathematics or Further Mathematics
Polytechnic Diploma from Singapore	Please refer here for the list of acceptable diplomas from a local Polytechnic or institution in Singapore.

Acceptable
Diplomas from
Ngee Ann
Polytechnic



- Aerospace Engineering
- Automation & Mechatronic Systems
- Biomedical Engineering
- Chemical Engineering
- Civil & Environmental Engineering
- Electronics & Computer Engineering ... and more

https://cde.nus.edu.sg/bme/undergraduate/admissions/ Go to Programme Pre-requisites (nus.edu.sg) for full list of diplomas

Please refer to other Universities' websites for relevant courses and their requirements.

Artificial Intelligence and impact on jobs



Fastest growing vs. fastest declining jobs



Top 10 fastest growing jobs

Top 10 fastest declining jobs

	Al and Machine Learning Specialists	1.	Bank Tellers and Related Clerks
2.	Sustainability Specialists	2.	Postal Service Clerks
3.	Business Intelligence Analysts	3.	Cashiers and ticket Clerks
4.	Information Security Analysts	4.	Data Entry Clerks
5.	Fintech Engineers	5.	Administrative and Executive Secretaries
6.	Data Analysts and Scientists	6,	Material-Recording and Stock-Keeping Clerks
7.	Robotics Engineers	7,	Accounting, Bookkeeping and Payroll Clerks
В.	Big Data Specialists	8.	Legislators and Officials
9.	Agricultural Equipment Operators	9.	Statistical, Finance and Insurance Clerks
o.	Digital Transformation Specialists	10.	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The jobs which survey respondents expect to grow most quickly from 2023 to 2027 as a fraction of present employment figures

Top 10 skills on the rise



1. Creative thinking	6. Systems thinking
2. Analytical thinking	7. Al and big data
3. Technological literacy	8. Motivation and self-awareness
4. Curiosity and lifelong learning	9. Talent management
5. Resilience, flexibility and agility	10. Service orientation and customer service

Type of skill

■ Cognitive skills
■ Self-efficacy
■ Management skills
■ Technology skills
■ Working with others
■ Engagement skills

Source

World Economic Forum, Future of Jobs Report 2023.

Note

The skills judged to be increasing in importance most rapidly between 2023 and 2027

Skill-based hiring



The next era of work will be about skills—not pedigree. Here's how employers are changing the way they judge potential, according to LinkedIn and Jobs for the Future

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Source: The next era of work will be about skills—not pedigree. Here's how employers are changing the way they judge potential, according to LinkedIn and Jobs for the Future | Fortune

THE STRAITS TIMES

PUBLISHED 22 DEC 2021, 4:00 AM SGT

It's a match: How skills-based hiring fits in the future of work

Initiatives like Skills Path help employers fill in-demand roles based on skills instead of formal qualifications



Source: It's a match: How skills-based hiring fits in the future of work | The Straits Times

Passion versus paycheck

3 ECG Questions

WHO AM I?

- Values, Interests, Personality & Skills (VIPS) & Strengths
- What is important to you?
- How would you like to contribute to society?



WHERE DO I WANT TO GO?

- **Explore** education pathways, World of Work, careers
- Align with VIPS

HOW DO I GET THERE?

- **Understand** requirements
- Consider gaps
- Work towards goals

Performing arts (dance) pathway & future prospects

Arts Institutions

B4 ≤ 25 & EL ≤ C6 Interview/audition

Diploma

3 years

Apply directly to NAFA or LASALLE









BA (Hons)
Performance
Making (NAFA &
UAL* Programme)

Bachelor's NAFA Performing Arts



BA (Hons)
International
Contemporary
Dance Practices

Bachelor's LASALLE Performing Arts

CAREER PATHWAYS IN DANCE





NAFA's Dance programmes prepare you for dynamic careers in the world of performing arts. Further broaden your possibilities with our

Bachelor of Arts (Honours) Performance Mal

Careers for Diploma & Degree graduates

Artistic Director

Backstage Personnel

Choreographer

Dance Administrator

Dance Company Manager

Dance Educator/Instructor

Somatic Movement Therapist/Instructor

Professional Dancer/Performer

Dance Production Manager/Coordinator

Dance Outreach Coordinator

Dance Historian/Researcher

Dance Studio Owner

Dance Critic/Journalist

Fitness Instructor

Movement Coach/Therapist/Physiotherapist



Careers for BA (Hons) Performance Making graduates:

Actor/Actress

Choreographer

Dancer

Dance/Drama Teacher

Director

Dramaturg

Performing Artist

Performance Maker

Playwright

Production Manager/Assistant

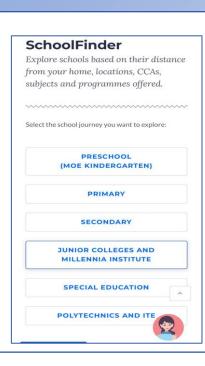
Importance/relevance of internships for students

Internships in University

- University requirement
- Using internships to explore various roles and different industries
- Develop hard and soft skills
- Network/career mentors
- Internship may turn into full-time employment
- Beef up CV

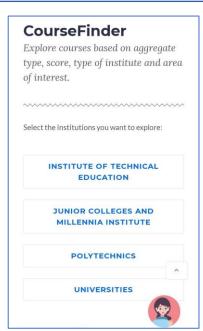
- Quality over quantity
- Consider internships post-graduation
- Other meaningful ways to stand out, eg coding projects, develop an app, volunteer etc

https://www.businessinsider.com/college-students-wage-internship-arms-race-to-clinch-dream-jobs-2023-8 https://www.channelnewsasia.com/commentary/trouble-finding-first-job-post-graduation-internship-employment-871761



Use **SchoolFinder** at **www.moe.gov.sg/schoolfinder** to explore junior colleges and Millennia Institute.





Use **CourseFinder** at **www.moe.gov.sg/coursefinder** to explore courses in polytechnics and ITE.



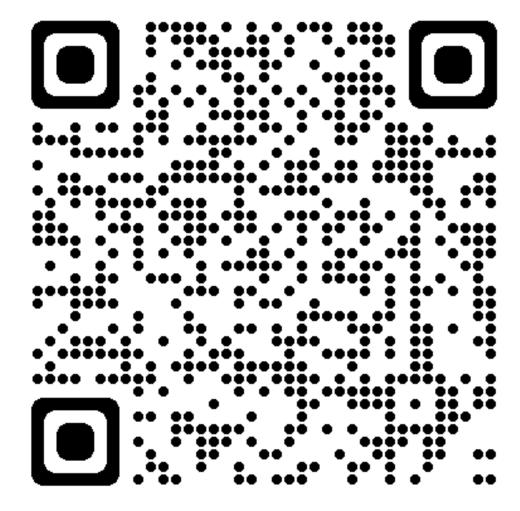
Website	URL	
Journeying with our Children. Supporting their Aspirations	go.gov.sg/ecg-parent- guide	回入(()) (回 () (
Overview of Post-Secondary Education Institutions (PSEIs)	go.gov.sg/overview- pseis	
The Next Step Forward (e-book)	go.gov.sg/next-step- forward	
MySkillsFuture for Secondary School	go.gov.sg/mysfsec	

Website	URL	
Early Admissions Exercise – Polytechnics	go.gov.sg/polyeae	
Direct School Admission – Junior Colleges	go.gov.sg/applyjcdsa	

Courses Offered in 2024 JAE

Scan QR code for PDF booklet

 includes previous year's cut-off points



https://www.moe.gov.sg/-/media/files/post-secondary/2024-jae/2024-jae-courses.pdf

Save the dates!

Look out for:

- DSA Workshop on April 3 &
- Poly EAE Workshop on April 17!

Come with questions, drafts of your write-ups and portfolio!

Come and have a chat with...

LAI YI MING (MS)
Education & Career Guidance Counsellor

WHEN: Every Wednesday & Thursday,

8am to 5.30pm

WHERE: Guidance@Fairfield

E-MAIL: Lai_Yi_Ming@moe.edu.sg

For appointment booking, please scan this QR code or go to

http://go.gov.sg/ecgc-book-now



https://go.gov.sg/ecgc-book-now

