

ALIGNING YOUR SUBJECT COMBINATION TOWARDS POSSIBLE CAREERS (NORMAL ACADEMIC)

INTRODUCTION

There are various career choices available. Planning ahead towards the direction of your choice of career would be useful for you. Here's some information that may give you some idea on where you may be heading to.

LIST OF CAREER CLUSTERS:

1. Agriculture, Food and Natural Resources Career Cluster
2. Architecture and Construction Career Cluster
3. Arts, A/V Technology, and Communications Career Cluster
4. Business, Management and Administration Career Cluster
5. Education and Training Career Cluster
6. Finance Career Cluster
7. Government and Public Administration Career Cluster
8. Health Science Career Cluster
9. Hospitality and Tourism Career Cluster
10. Human Services Career Cluster
11. Information Technology Career Cluster
12. Law, Public Safety and Security Career Cluster
13. Manufacturing Career Cluster
14. Marketing, Sales and Service Career Cluster
15. Science, Technology, Engineering and Mathematics Career Cluster
16. Transportation, Distribution and Logistics Career Cluster

NOTE:

In the next few pages, we have crafted a guide to help you understand career opportunities suitable/available for you based on your course type and the subject combination you will be taking. However, please take note that information given here only serves as a brief guide and subject to changes. Career clusters listed for each course group are only based on suggestion in relation to the electives in each subject combination. Certain career clusters may not require subject prerequisites. Many opportunities are available and may widen overtime, depending on your tertiary education as well as the skills you have.

Occupations listed in this guide are not exhaustive.

For information on occupations available in the local market, please refer to the following links:

- ecareers.sg
- Ministry of Manpower's career portal for students (www.careercompass.gov.sg)

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Focus electives for Course A* / Course B*:
 (Additional Mathematics / Principles of Accounts) i) Business, Management & Administration Career Cluster
 ii) Finance Career Cluster
 iii) Science, Technology, Engineering & Mathematics Career Cluster
 iv) Marketing Career Cluster

POSSIBLE CAREER CLUSTERS			
Business, Management and Administration Career Cluster	Finance Career Cluster	Science, Technology, Engineering and Mathematics Career Cluster	Marketing Career Cluster
Prepares learners for careers in planning, organising, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organisation, time management, customer service and communication.	Prepares learners for careers in financial and investment planning, banking, insurance and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organisation, time management, customer service and communication.	Learners who pursue one of these career fields will be involved in planning, managing and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.	The Marketing career cluster prepares learners for careers in planning, managing and performing marketing activities to reach organisational objectives.
General Management Pathway Administrative Officers Advertising Account Executives Advertising Managers Art Directors Bank Officers Business and Industry Managers Casino Managers Caterers Child Care Centre Supervisors Community Development Officers Conference Managers, Planners and Producers Credit Card Operations Managers Department Store Managers Development Directors	Securities and Investments Pathway Financial Planners Financial Product Structurers Floor Traders Fund Managers Futures Brokers/Dealers Investment & Financial Advisors HOT Investment Advisors Investment Bankers Relationship Managers (Banking) Securities Dealers Settlement Clerks Settlement, Derivative Processing and Documentation Specialists HOT Traders/Dealers Trading Floor Clerks	Engineering and Technology Pathway Aerospace Engineers Airworthiness Engineers Application Developers & Engineers HOT Architects Assembly & Testing Engineers Assistant Computer & Network Engineers HOT Assistant Design Engineers Associate Electronic Engineers HOT Automation Engineers Ceramics Engineers Chemical Engineering Officers (MEWR) Chemical Engineers Chemical Process Technology Technicians	Marketing Management Pathway Advertising Managers Cash Processing Officers Cashiers HOT Customer Service Representatives Marine Insurance Claims Executives Marketing Managers HOT News Vendors Procurement Managers Professional Sales Pathway Advertising Sales Representatives

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<p>Duty Managers Educational Administrators</p> <p>Employee Welfare Managers Energy Managers Entrepreneurs Executive Officers HOT Financial Institution Managers HOT Front Office Supervisors Health Promotion Executives Hotel Managers Household Managers Kindergarten Principals Management Executive Officers (MEWR) Management Executives HOT Personal Agents Public Relations Officers Quality Assurance Specialists HOT Reservations Managers Revenue Managers Theatre Managers TV Producers Welfare Officers</p> <p>Business Information Management Pathway Accountants Accounting Technicians HOT Accounts Clerks HOT Bookkeeping Clerks HOT Business & Industry Consultants HOT Controllers HOT Development Managers (NParks) Financial Analysts Fund Administrators Investment/Research Analysts Product Controllers Research Analysts Risk Managers HOT Shipping Finance Analysts/Associates</p>	<p>Trust Professionals</p> <p>Business Finance Pathway Business & Industry Consultants HOT Controllers HOT Economists Financial Analysts Fund Administrators Investment/Research Analysts Legal or Compliance Officers Product Controllers Research Analysts Risk Managers HOT Shipping Finance Analysts/Associates</p> <p>Banking Services Pathway Bank Officers Bank Tellers Cash Processing Officers Cashiers HOT Credit Analysts HOT Credit Card Operations Managers Credit Officers Financial Institution Managers HOT Financial Planners Financial Product Structurers Fund Managers Public Relations Officers Relationship Managers (Banking) Trust Professionals</p> <p>Insurance Pathway Insurance Brokers Insurance Underwriters Loss Adjusters Marine Insurance Underwriters</p> <p>Accounting Pathway Accountants</p>	<p>Chemical Technicians Civil Engineering Technologists Civil/Structural Engineers HOT Computer Hardware Engineers Construction Engineers HOT Design Engineers Electrical & Mechanical Drafters Electrical Engineering Technologists Electrical Engineers Electrical Technicians Electronics Design Engineers HOT Electronics Engineering Technologists Electronics Engineers HOT Electronics Servicing Technicians Electronics Technicians Engineering Managers HOT Environmental Engineers Equipment Research and Design (R&D) Engineers Geotechnical Engineers Industrial Engineering Technicians Integrated Circuit (IC) Design Engineers IT Professionals Land Transport Engineering Technicians Layout Engineers Licensed Aircraft Engineers Maintenance Engineers Manufacturing Engineering Technicians Marine & Offshore Technicians Marine & Offshore Technologists Marine Engineers Marine Surveyors Mechanical Design Engineers HOT Mechanical Drafters Mechanical Engineering Officers (MEWR) Mechanical Engineering Technicians HOT Mechanical Engineering Technologists Mechanical Engineers HOT Metallurgists</p>	<p>Auctioneers Customer Service Representatives Insurance Brokers Marine Insurance Claims Executives Models Personal Product Salespersons Real Estate Agents Recreation & Leisure Product Salespersons Retail Assistants HOT Retail Sales Supervisors HOT Sales Engineers Sales Managers HOT Sales Representatives HOT Ship Brokers Technical Salespersons HOT</p> <p>Merchandising Pathway Buyers (Pharmaceuticals) Buyers (Retail & F&B Services) Commodity Sales Supervisors Customer Service Representatives Department Store Managers Fashion Buyers Merchandisers Visual Merchandisers</p> <p>Marketing Communications Pathway Advertising Account Executives Advertising Copywriters Conference Managers, Planners and Producers Customer Service Representatives</p>
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<p>Tax Officers Taxation Technicians</p> <p>Human Resources Management Pathway Employee Welfare Managers Employment Interviewers Human Resource Managers HOT</p> <p>Administrative Support Pathway Administrative Services Managers HOT Administrative Support Supervisors HOT Computer Operators Constituency Assistants/Liaisons Corporate Support Officers Data Entry Keyers Front Office Agents General Office Clerks HOT Help Desk Managers HOT Hotel Receptionists Industrial Clerks HOT Management Support Officers Messengers Meter Readers Receptionists HOT Secretaries HOT Stenographers Telephone Operators HOT</p> <p>Operations Management Pathway Budget Analysts HOT Industrial Production Managers Operations Managers (Theme Parks) Purchasing Agents Training Programme Managers Warehouse Managers Warehouse Operators</p>	<p>Actuaries Auditors HOT Budget Analysts HOT Taxation Technicians Valuers</p>	<p>Mining Engineers Naval Architects</p> <p>Oil and Gas Equipment Services Technicians Packaging Engineers Petroleum Engineers Process Engineers (Electronics) Process Engineers (Energy and Chemicals) Product Engineers HOT Quality Assurance Engineers Quality Engineers Research & Design Engineers Research Engineers Software Engineers HOT Solar Engineers Space Systems Technicians Systems Engineers Technical Writers Tool & Die Designers</p> <p>Science and Mathematics Pathway Analysts or Systems Programmers HOT Animal Keepers Archaeologists Astronomers Biochemists Biologists Biomedical Engineers Biotechnologists Botanists Cartographers Chemical Process Technology Technicians Chemical Technicians Chemists Control Automation Engineers Enterprise Resource Planning (ERP) Consultants</p>	<p>Events Organisers Food Stylists Graphic Designers Marine Insurance Claims Executives Public Relations Officers Telemarketers Wedding Coordinators</p> <p>Marketing Research Pathway Market Research Analysts</p>
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*Subject to changes

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 National Association of State Directors of Career Technical Education Consortium, 2014, www.careertech.org/career-clusters/

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Focus electives for Course C*,D*,E*
Design & Technology / Food & Nutrition/Art

- : i) Architecture & Construction Career Cluster
 ii) Agriculture, Food & Natural Resources Career Cluster
 iii) Arts, A/V Technology and Communications Career Cluster

POSSIBLE CAREER CLUSTERS		
Architecture and Construction Career Cluster	Agriculture, Food and Natural Resources Career Cluster	Arts, A/V Technology and Communications Career Cluster
Prepares learners for careers in designing, planning, managing, building and maintaining the built environment. People employed in this cluster work on new structures, restorations, additions, alterations and repairs.	The Agriculture, Food and Natural Resources Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services, including food, fibre, wood products, natural resources, horticulture and other plant and animal products.	Arts, Audio/Video Technology and Communications careers are divided into six pathways: Audio and Video Technology and Film; Journalism and Broadcasting; Performing Arts; Printing Technology; Telecommunications; and Visual Arts. Each of these pathways offers exciting and challenging career opportunities.
Design and Pre-Construction Pathway Aircraft Engine Mechanics Architects Architectural Drafters Assistant Design Engineers Civil Engineering Technologists Civil/Structural Drafters Civil/Structural Engineers HOT Construction Engineers HOT Cost Estimators Development Executives (NParks) Electrical Engineers Electrical Technicians Electronics Engineering Technologists Geotechnical Engineers	Food Products and Processing Systems Pathway Butchers & Meat Cutters Chemical Process Technology Technicians Chemical Technicians Food Processing Technicians Food Scientists & Technologists Quality Assurance Specialists HOT Plant Systems Pathway Biotechnologists Horticulturists Parks & Trees Regulatory Section (PTRS) Managers Research Assistants (Life Sciences) Urban Foresters	A/V Technology and Film Pathway 3D Animators 3D Modelers Archivists Art Directors Cinematographers Game and Level Designers Lighting Artists Multimedia Producers Multimedia Programmers/Engineers HOT Multimedia Technology Technicians Sound Recording Technicians Storyboard Artists Television Camera Operators Texture Artists TV Producers

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<p> Interior Designers Land Surveyors Land/Estate Managers Landscape Architects Planning Executives (NParks) Property Managers HOT Quantity Surveyors HOT Resident Technical Officers </p> <p> Construction Pathway Air-Con and Refrigeration Technicians Bricklayers Builders Building and Construction Project Managers HOT Building Contractors Building Servicing Mechanics Carpenters HOT Construction Labourers HOT Construction Painters Electricians HOT Excavator Operators Furniture Makers Glaziers Groundsmen and Gardeners HOT Lift Mechanics Parks Officers (NParks) Pipefitters HOT Plumbers Sheet Metal Workers Structural Metal Fitters HOT Tile Setters </p> <p> Maintenance and Operations Pathway Air-Con and Refrigeration Technicians Building Servicing Mechanics Civil/Structural Drafters Construction Labourers HOT Cost Estimators Electricians HOT </p>	<p> Animal Systems Pathway Animal Trainers Biochemists Biologists Biotechnologists Botanists Microbiologists Pet Groomers Research Assistants (Life Sciences) Veterinarians </p> <p> Power, Structural, and Technical Systems Pathway Water Treatment Plant Operators </p> <p> Natural Resources Systems Pathway Geologists </p> <p> Environmental Service Systems Pathway Environmental Engineers Environmental Health Officers Environmental Health Officers (Senior) Industrial Waste Inspectors Laboratory Officers (MEWR) </p> <p> Agribusiness Systems Pathway Fish Farmers Fishermen Pest Control Technicians </p>	<p> Visual Effects (VFX) Artists </p> <p> Printing Technology Pathway Bookbinders Editorial Designers Precision Typesetters Printers </p> <p> Visual Arts Pathway 3D Modelers Artists Commercial Artists Craft Artists Fashion Designers Fashion Stylists Floral Designers Food Stylists Game and Level Designers Game Programmers Graphic Designers Jewellers Jewellery Designers Lighting Artists Multimedia Producers Photographers Potters Product Designers Programmers HOT Science Teachers HOT Storyboard Artists Teachers (Primary, Secondary and Pre-University) HOT Texture Artists Visual Effects (VFX) Artists Visual Merchandisers </p> <p> Performing Arts Pathway Actors and Actresses Artistes Choreographers </p>
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<p> Glaziers Groundsmen and Gardeners HOT Lift Mechanics Operating Engineers/Heavy Equipment Operators Parks Officers (NParks) Plasterers Power Plant Operators Quantity Surveyors HOT </p>		<p> Composers Costumed Actors/Performers Dance Instructors Dancers Display Artists/Visual Exhibition Designers Film Editors Grips Musicians Science Teachers HOT Set and Stage Designers Teachers (Primary, Secondary and Pre-University) HOT </p> <p> Journalism and Broadcasting Pathway Authors Broadcast Journalists Copy Editors Disc Jockeys Journalists and Reporters Playwrights Producer-Presenters Proof Readers Scriptwriters/ Idea Architects Technical Writers </p> <p> Telecommunications Pathway Broadcast Technicians Electrical Line Maintainers Events Technicians TV Producers </p>
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