Career Planning Guide 2019 – 2020

Sydney Secondary College

QUALITY ■ OPPORTUNITY ■ DIVERSITY

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Career Planning Guide 2019 – 2020

Sydney Secondary College was created to ensure that students in the inner city of Sydney have access to the broadest range of courses. Partnerships with TAFE NSW and surrounding universities provide students with opportunities to access subjects in Years 11 and 12 that are not readily available in other secondary schools The Career Planning Guide has been designed to be used in conjunction with the Senior Course Guide, to help you to make an informed and thoughtful decision about the subjects and pattern of study that you will undertake in your senior years. It is supported by the expert careers advice and guidance that is available to you in each campus of Sydney Secondary College.

The Career Guide will help you to make smart decisions about your future and will help to facilitate a smooth transition from school to your post school destination – work or further study. It is meant as a guide only, to help you identify subjects and subject combinations that are most useful for the career area that you might be considering.

Subject choice should be made primarily on the basis of your interests, abilities and career plans. It is important that you think about your interests and strengths before you begin to choose your subjects.

If you choose subjects that you like and are good at, you should enjoy studying them, do well in them and learn skills that you can use later in life. If you already have a career path in mind, then your choice of subjects can be made to maximise credit transfer and fast track you into your career. If you are unsure of your career plans, then choosing subjects that you like and are good at may open up options for you and help you to decide on a suitable career path.

The tables in this Guide clearly demonstrate that you can enter careers at several different levels. You can “start at the bottom” in a job and work your way up, or continue your education beyond school and start a career at a higher level.

After the Higher School Certificate, it is possible to start on a career path by:

a) Going straight into the work force,
b) Continuing in education at TAFE NSW or private providers, or
c) Seeking professional qualifications from university.

This Guide also shows that qualifications you earn in one course can "transfer" and give you a head start in another course; for example, a Certificate gained at school may give credit transfer to a diploma at TAFE, which may give credit transfer to a degree at university.

If you wish to be considered for university entry straight after your HSC, you must ensure that your subject selection makes you eligible for an AUSTRALIAN TERTIARY ADMISSION RANK (ATAR). See page 4 and 5 of the Senior Course Guide for detailed information and the About UAC for Parents which will be emailed to Year 10 Parents.

While universities often assume a certain level of achievement in specified HSC courses (assumed knowledge), there are very few courses which specify subjects that must be studied at school (prerequisites). Some universities offer bridging or introductory courses that enable people who do not have the recognised level of assumed knowledge to achieve the recommended HSC standard. You must carefully research entry requirements and university recommendations that are relevant to you.

Please note that from 2019, the University of Sydney has introduced mathematics course prerequisites for some courses to help students thrive in STEM- Science, Technology, Engineering and Mathematics related degrees. Students will need to achieve Band 4 in the NSW HSC (not General Mathematics) to enrol in a range of courses, including economics, commerce, engineering and IT, psychology, pharmacy, veterinary science and science. Please go to www.usyd.edu.au for further information.

An ATAR is not needed if you are planning to progress to TAFE NSW after your HSC, as acceptance into a TAFE NSW course is based on an application process that considers several criteria, including HSC performance in related subjects, demonstrated interest in the subject and work-related experience. TAFE has more recently introduced a number of Degree Course. They include:

- 3D Art and Animation
- Applied Finance (Accounting)
- Business Design (Interior)
- Early Childhood
- Fashion Design
- Information Technology
- Property Valuation

Early requirements vary, depending on the course. Most require completion of the HSC, an essay or portfolio and a pre-admission interview. For further information visit tafensw.edu.au and / or download **'Your Guide to a TAFE degree'**

Private providers have their own criteria for entry which varies between each provider. You need to check the websites of each provider carefully.

If you are considering an **Apprenticeship** once you have completed your HSC, particularly in the electrical or plumbing trades, it is important that you study Mathematics Standard and attain your Driver's Licence during years 11 and 12. Please visit www.aatinfo.com.au or phone **1800 338 022** for further information.

For direct entry into the workforce after the HSC, it is more important for you to be able to demonstrate a good attitude to work, have useful skills, show a willingness to learn new skills, and have some work experience.

The study of dual accredited Vocational Education and Training (VET) courses, delivered at school or TAFE NSW, will give you the opportunity to fast track a career in a related industry.

VET courses contribute units to your HSC and contribute to a nationally recognised Australian Qualification Framework (AQF) award. Workplace learning (work experience) is an important part of VET courses. It may even be possible for you to complete a School based Traineeship in your chosen industry while you are still at school. You must consult your Career Advisers if you are interested in a traineeship.

If you have **clear career goals** you should ensure that your subject selection satisfies all prerequisites, maximises your credit transfer and teaches you appropriate skills for your chosen vocation. If you have **no clear career goals** you should try to ensure that you receive a good general education, gain skills useful in a range of careers and keep open your options for further study.

The information in the Career Planning Guide is based on the current UAC Guide, TAFE NSW Handbook, UAC University Entry Requirements Year 10 Booklet, HSC TAFE Credit Transfer website, private provider websites and HSC subject information from the Board of Studies. Individuals must check carefully specific course requirements, credit transfer arrangements and advice from individual institutions and employers.

Sydney Secondary College would like to thank the Principal and Staff of the Northern Beaches Secondary College for permission to use this booklet to assist our Year 10 students in planning their Stage 6 Studies.

What is a credit transfer?

AUSTRALIAN QUALIFICATIONS FRAMEWORK

The Australian Qualifications Framework (AQF) is a single, national, coherent framework for qualifications from the Senior Secondary Certificate (HSC) to a Doctoral Degree. It links together all these qualifications and promotes lifelong learning and encourages continual upgrading of knowledge and skills.

Sydney Secondary College is committed to providing pathways between the school, the vocational education sector (TAFE) and the higher education sectors.

SCHOOL SECTOR	VOCATIONAL EDUCATION AND TRAINING SECTOR – TAFE	HIGHER EDUCATION SECTOR – UNIVERSITY
		• Doctoral • Masters • Graduate Diploma • Bachelor Degree • Advanced Diploma • Diploma
• Certificate III • Certificate II • Certificate I • HSC	• Bachelor Degree • Advanced Diploma • Diploma • Certificate IV • Certificate III • Certificate II • Certificate I	

Credit Transfer is a form of recognition based on a formal arrangement between educational institutions.

Credit Transfer arrangements negotiated between the NESA and TAFE NSW allow you to get credit for HSC studies you have already completed. It applies to a range of HSC courses such as English, Business Studies and Biology, and includes Vocational Education and Training (VET) courses such as Hospitality, Retail Services, Financial Services and Construction.

For details of credit transfer visit **www.det.nsw.edu.au/hsctafe** and individual university websites such as **www.uts.edu.au**

Applied Science

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Biology • Chemistry • Earth and Environmental Science • Engineering Studies • Food Technology • Geography • Information Processes and Technology • Information and D Technology • Languages • Mathematics • Mathematics Standard • Mathematics HSC Ext 1 and 2 • Metal and Engineering • PDHPE • Physics • Software Design and Development	• Automotive (Multiple) • Automotive (Airbrushing) • Automotive (Panel / Paint) • Aviation (Aircraft Operation) • Computer Aided Drafting CAD • Electrotechnology (Electrical) • Specialisation Web Site Design • Outdoor Recreation

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.

The study of a science or related course at university usually assumes HSC study of Mathematics or higher. It is recommended that science related subjects are studied for the HSC, with Chemistry and Physics being the most useful depending on the area of specialisation. Bridging courses and introductory subjects are sometimes available for students with insufficient background in Maths or Science.

Careers in science usually assume skills in the use of technology.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Laboratory Assistant Polymer Processing Nursery Greenkeeping Landscaping Parks and Gardening Food Industry Local Government Fitness Leader Personal Trainer	**Advanced Diploma, Diploma and Certificates in**: • Agriculture • Applied Science (Biological Techniques) • Aviation • Horticulture • Animal Attending / Technology • Environmental Technology and Practice • Engineering • Building Studies • Hydrology and Environmental Management • Laboratory Techniques • Laboratory Technology (Biological, Food, Pathology, Manufacturing / Chemical) • Outdoor Recreation • Sport and Recreation • Viticulture	**Bachelor Degrees in**: • Physics, Chemistry, Biology • Computer Science • Environmental Science / Ecology • Architecture • Surveying • Marine • Biotechnology • Agriculture • Natural Resources • Engineering • Mathematics • Psychology • Food Sciences / Viticulture • Health Sciences / Sport Sciences • Nanotechnology • Science Media and Communications • Forensic Science

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

There are many private providers which offer alternative diplomas and degree courses that are often run in partnership with universities

Building and Construction

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics • Standard Mathematics • Physics • Investigating Science • Construction • Information and D Technology • Design and Technology • Industrial Technology • Business Studies • Metal and Engineering • Visual Arts • Languages • Ancient History	• Computer Aided Drafting • Automotive – Multiple Selections • Electrotechnology – Electrical • Property Services (Agency) • Construction Specialisation

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- University study in the field of Building Construction Management usually assumes HSC study of Mathematics or above. It may be possible to take supplementary Mathematics in first year university. The study of HSC Physics may be recommended and Visual Arts may be useful preparation for the study of architecture.
- A common avenue for entry to the Building and Construction industry is through a trade apprenticeship. Maximum credit into the trade can be gained through the study of the VET course in Construction for the HSC. It is possible to articulate from the trade into higher TAFE and university courses.
- It is possible to enter the Building and Construction industry without an apprenticeship by going directly into a diploma course at TAFE or a degree course at university.
- The successful study of a first-year university subject at UTS, while at school, does not guarantee selection into university but will give credit in a related course for students who are successfully selected into university.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Bricklaying / Block laying Carpentry Drafting Roofing Painting and Decorating Plasterboard / Solid Plastering Plumbing Roofing Shop Fitting Sign Writing Tiling Wall and Floor Shop Fitting & Detailed Joinery Stonemasonry General Construction Traineeship Retail (Hardware, Timber)	**Advanced Diploma, Diploma and Certificates in**: • Building Studies • CAD • Electrical Technology • Architectural Technology • Environmental Health and Building Surveying • Furniture Design • Land and Engineering Survey Drafting • Surveying • Mechanical Technology • Construction • Quantity Surveying • Civil Construction	**Bachelor Degrees in**: • Architecture • Building Construction Management • Construction / Project Management • Survey and Spatial Information • Systems Engineering • Civil Engineering • Town Planning • Property Economics • Environmental Planning • Surveying • Environmental Planning • Interior Design • Industrial Design

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Business and Administration

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics • Standard Mathematics • Mathematics Preliminary Ext 1 • Mathematics HSC Extension 1 and / or 2 • Business Studies • Economics • Legal Studies • Information Processes and Technology • Business Services VET • Information and D Technology • Retail Services • Software Design and Development • Languages	• Financial Services ATAR • Property Services (Agency) • Computing Assembly and Repair • Business Services Specialisation • Tourism and Events ATAR • Hospitality Specialisation • Marketing • Information Technology Specialisation Web Design

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- The study of HSC Mathematics is recommended for a career in Business. University study in the field of Business/Economics/Commerce/Finance usually assumes HSC study of Mathematics or higher. It may be possible to take supplementary Mathematics subjects in first year university to bring a General Mathematics student up to the required standard.
- The study of HSC Economics, Business Studies, Accounting and other related subjects is recommended but not essential for further study at tertiary level.
- The successful completion of the 240 hour Business Services course provides direct credit transfer into TAFE courses in Business Services.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Financial Services Clerical Administrative Skills Business / Office Administration Small Business Operation Retail Operations Wholesale Services Hardware Operations (Sales) Real Estate (Sales / Property Management) Public Administration Information Technology Web Design and Management **Jobs** Retail / Cashier Call Centre Operator Clerical Assistant	**Advanced Diploma, Diploma and Certificates in**: • Accounting • Financial Services / Banking and Finance • Business Studies • Marketing / Advertising / Public Relations • Asia Pacific Marketing • Small Business Management • International Business Management • Real Estate (Sales / Property Management) • Human Resource Management • Retail Management • Tourism and Hospitality Management • Office Administration • Information Technology • Music Industry Skills (Business) Management	**Bachelor Degrees in**: • Accounting • Economics • Information Technology • Business Management / Administration • Finance • Industrial Relations • Marketing and / or Advertising • Communications / Public Relations • Real Estate (Sales / Property Management) • Human Resource Management • Business (Tourism and Hospitality) • Law • International Business • Electronic Business

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Communication and Humanities

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Modern History and Ancient History • Society and Culture • Legal Studies • Languages • Aboriginal Studies • English Preliminary Extension 1 • English HSC Extension 1 and 2 • Music 1 or 2 • Visual Arts • Information and D Technology • Business Services • Studies in Religion • Entertainment Industry • Community and Family Studies	• Visual Arts, Crafts and Design • Community Services Children's Services • Community Services - Introduction • Marketing • Media – Journalism • Screen & media

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- University degrees in the humanities, social sciences, and communications and law areas do not assume any particular HSC study. However, communication skills developed through the study of English are essential. Advanced English, is recommended.
- The study of HSC subjects that develop research, critical thinking communication skills are recommended.
- The successful study of a first-year university subject Mind and Morality at Sydney University, while at school, does not guarantee selection into university but will give credit in a related course for students who are successfully selected into university.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Arts Administration Interactive Multimedia Community Radio Operations Media Journalism TV and Video Production TV and Video Operations Printing Office Administration	**Advanced Diploma, Diploma and Certificates in**: • Advertising • Public Relations • Marketing • Business Legal Services • Film and Television Production • Community Services – Drug and Alcohol • Community Services – Children's Services • Communication Skills	**Bachelor Degrees in**: • Communications Journalism • Journalism and Writing • Advertising and Public Relations • Media Studies • Communication Information • Political Science / Social Equity • Legal and Justice Studies • Languages • Law • Social Sciences • Arts / Liberal Arts • Languages • International Studies • Behavioral Sciences • Museum Studies • TV, Radio, Film and Video • Multimedia

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Creative and Performing Arts

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Music 1 or 2 • Visual Arts • Dance • Drama • Textiles and Design • Design and Technology • Entertainment Industry • Information and D Technology • English HSC Extension 1 and 2 • Photography, Video and Digital Imaging	• Design • Visual Arts, Crafts and Design • Digital Photography • Hairdressing • Beauty Retail Makeup and Skin Care • Beauty – Nail technology • Website Design • Computer Aided Drafting CAD • Screen Film and TV • Screen and Media Multimedia • TV and Radio Presentation • Floristry • Music Industry

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- University study of creative arts areas usually assumes the HSC study of Visual Arts and/or Design and Technology and/or Textiles and Design. University study assumes good communication skills so the study of English is important.
- University study of Performing Arts (depending on specialist area chosen) assumes the HSC study of Music (often Music 2 and extension Music), or Drama or Dance.
- There are some areas of creative and performing arts that can be studied at TAFE. Many HSC subjects, such as Visual Arts and Design and Technology will give direct credit into these. The study of Textiles and Design, Entertainment, Photography, Design or Digital Photography might be useful.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Arts (Interactive Multimedia) Television and Video Production Carpentry and Joinery Graphic Pre-press Screen Printing Stencil Preparation Print Design Cabinetmaking Textile Clothing and Footwear Clothing Production Furniture Production Jewellery Manufacture and Repair Furnishing (Soft) Sail Making Sign Writing Retail	**Advanced Diploma, Diploma and Certificates in**: • Graphic Design • Interior Design / Decoration • Jewellery and Object Design • Product Design and Development • Fashion Design • Printing and Graphic Arts • Design Fundamentals • Theatre Costume Design • Interactive Multimedia • Architectural Technology, CAD, Drafting • Aboriginal Arts and Cultural Practices • Furnishing Industry • 3D Animation, Digital Effects, Multimedia • Digital Arts and Photography • Event and Entertainment Design	**Bachelor Degrees in**: • Graphic Design • Interior Design • Fashion and Textile Design • Creative Arts • Photography • Visual Arts Communication • Multimedia • Architecture • Creative Arts Teaching • Arts Administration • Fine Arts • Performing Arts • Sound Engineering

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Design

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Design and Technology • Physics • Textiles and Design • Mathematics • Mathematics Standard, Ext 1 & 2 • Construction • Information and D Technology • Industrial Technology • Photography, Video and Digital Imaging • Entertainment Industry • Music 1 or 2 • Engineering Studies Visual Arts	• Design Multiple Selections • Digital Photography • Hairdressing • CAD • Website Design • Information Technology (Web Design) • Multimedia (Screen and Media) • Floristry • Fashion • Beauty – Retail and Skin Care • Beauty – Nail Technology • Design (Multiple)

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- University study of some design areas such as Architecture usually assume the HSC study of Mathematics at 2 unit or higher. The study of Visual Arts, Design and Technology or Physics may be recommended.
- University study in design assumes good communication skills so the study of English is important.
- There are many areas of design and fine arts that can be studied at TAFE. Many HSC subjects that can be studied at school and TAFE will give direct credit into these.
- Increasingly, study in design assumes some skills using technology and graphics software.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Hairdressing Beauty Care and Makeup Live Theatre (Technical) TV and Video Production TV and Video Operations Print Design Music Business **Jobs:** Retail Actor Musician Dancer Artist Model	**Advanced Diploma, Diploma and Certificates in**: • Music Contemporary • Music Industry Skills • Film and Television Production • Fine Arts • Visual Arts • Theatre Performance and Practice • Design – Graphic, Jewellery, Interior, Product, Fashion, Furniture, Textiles • Aboriginal Arts and Cultural Practices • Make up artistry • Theatre Costume Design • Photography • Ceramics • Visual Merchandising	**Bachelor Degrees in**: • Design – Graphic, Interior, Fashion, Textiles, Design • Performing Arts – Dance, Drama • Creative and Visual Arts Teaching • Music Performance, Production and Management • Multimedia • Visual Arts / Communication • Museum Studies • Education • Film / TV Production • Architecture • Graphic Designer • Interior Design

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Education, Psychology, Social and Community Services

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics / Standard Mathematics • Community and Family Studies • Biology • Legal Studies • Society and Culture • Ancient History • Modern History • Geography • Music 1 or 2 • Visual Arts • Personal Development Health and Physical Education • Information Technology	• Information Technology • Community Services – Welfare • Communication Services – Children's Services • Human Services – Allied Health • Sport, Fitness and Recreation • Outdoor Recreation

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- Careers in teaching require a university degree. The subjects recommended for HSC study are directly related to the area of specialization chosen. Primary teachers employed in government schools must have studied any 2 units of English and any 2 units of Mathematics.
- A satisfactory level of achievement in English is required for entry to diploma level courses in Community Services (Children's Services) at TAFE.
- Professional Psychology requires 6 years of study at university. No previous HSC study is assumed, but Mathematics is recommended. When Psychology is studied in a science degree, a science background is assumed. Psychology can be included as a major in a number of degrees.
- The university study of social work or social sciences assumes no particular HSC study. Subjects should be chosen to suit interests and abilities.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Community Services Youth Work Child Care **Jobs:** Teachers' Aide Enrolled Nurse Assistant in Nursing Nanny Childcare Assistant Clerical Assistant Dental Nurse Community Services (Aged Care, Disability)	**Advanced Diploma, Diploma and Certificates in**: • Enrolled Nurse • Assistant in Nursing • Community Services Alcohol and Drugs • Community Services Children's Services • Community Services Welfare • Community Services Disability • Community Services Youth Work • Community Services Aged Care • Library and Information Services • Working with Families • Sport and Recreation • Community Management	**Bachelor Degrees in**: • Justice Studies and Policing • Social Work • Psychology • Welfare • Early Childhood Education • Primary Education • Education – Special / EAL / D • Secondary Education • Aboriginal Studies • Theology and Religious Studies • Social Sciences • Nursing • Information Management

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Engineering

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics • Standard Mathematics 1 • Mathematics Extensions 1 and 2 • Physics • Chemistry • Information Processes and Technology • Information and D Technology • Software Design and Development • Biology • Earth and Environmental Science • Geography • Engineering Studies • Construction • Languages	• Automotive – Multiple Selections • Electrotechnology – Multiple Selections • Aviation • Maritime – Industry • CAD • Computing Assembly and Repair • Website Design • Multi media Screen and Media

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- The study of engineering or a related course at university assumes HSC study of Mathematics 2unit (at least Preliminary and HSC extension 1. The most useful HSC science subjects are Physics and Chemistry. Bridging courses and introductory subjects are sometimes available for students with insufficient background in Math or Science.
- Careers in Engineering assume skills in the use of technology.
- Maximum credit into Engineering, Automotive and Electrical trades would result from the study of the more practical VET courses that have a workplace learning component.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Engineering (Mechanical, Electrical / Electronic, Fabrication) Aircraft Maintenance Drafting Manufacturing Plumbing Laboratory Assistant Electronic (Communications, Office Equip.) Electrical (Fitting, Instruments, Lift, Mechanic) Refrigeration Mechanic Automotive Trades Boat Building Patternmaking / Moulding	**Advanced Diploma, Diploma and Certificates in**: • Electrical Technology / Engineering • Mechanical Technology / Engineering • Naval Architecture / Boat and Ship Building • Civil/ Structural Engineering • Mechanical Engineering • Marine Engineering • Geographic Information Systems • Telecommunications Engineering • Surveying / Land and Engineering Survey Drafting • Environmental Technology and Practice • Laboratory Technology • Manufacturing Technology / Systems • Information Technology • Mechatronics • Fire Technology	**Bachelor Degrees in**: • Engineering – Civil, Mechanical, Electrical, Electronic, Mining, Aeronautical, Manufacturing, Environmental, Materials, Mechatronics, Computer, Telecommunications, Petroleum, Metallurgical, Bioprocess, Spatial, Photovoltaic, Software • Applied Science (Physics, Chemistry, Biological Sciences) • Computer Science • Information Technology • Environmental Science • Engineering Innovation • Surveying

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Health Sciences, Sport and Recreation

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics / Standard Mathematics • Chemistry • Biology • Personal Development Health and Physical Education • Physics • Investigating Science • Business Studies • Community and Family Studies • Sports Lifestyle and Recreation • Food Technology • Business Services • Information and D Technology • Hospitality	• Community – Welfare • Community Services – Children's Services • Tourism and Events • Outdoor Recreation • Nursing Allied Health

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- Many health-related courses at university are science based and assume or recommend HSC study of Mathematics 2 unit (not General). The most useful HSC science subject is Chemistry, but Biology, Physics and PDHPE will be useful.
- The study of nursing at university recommends a background in science (Chemistry, Biology or Physics), but does not require HSC Mathematics. General Mathematics is sufficient. PDHPE can be substituted for a science and provides a very good background for the study of Nursing.
- University study of Human Movement, Exercise and Sport Management assumes the HSC study of Mathematics 2 unit (not General) and recommends some background in science. University study assumes good communication skills, so the study of English is important.
  Careers related to science usually assume skills in the use of technology.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Sporting operations Care support services Nursing assistant Health support services Aboriginal and TSI Health Health Support Services Sport and Recreation **Jobs:** Assistant in Nursing Community Services (Aged Care, Disabilities) Dental Assistant Food Preparation / Kitchen Assistant Sports Official (Referee, Coach) Dietary Aide Clinical Coder	**Advanced Diploma, Diploma and Certificates in**: • Enrolled Nurse / Assistant in Nursing • Sport and Recreation (Leadership, Administration, Coaching, Fitness, Recreation, Management). • Applied Science (Medical, Pathology, Biology) • Dental assisting • Food and Health Support Services • Health Office Procedures • Nutrition and Dietary Practices • Sport (Massage Therapy) • Community Services (Alcohol and Drugs, Children's Services, Welfare, Disabilities, Youth. Aged Care) • Sport (coaching, development, officiating) • Fitness Instructing • Tourism (Meetings and Events)	**Bachelor Degrees in**: • Nursing • Human Movement • Sport and Exercise Management • Leisure Management • Nutrition and Natural Therapies • Pre-Hospital Care • Medicine and Medical Science • Physiotherapy • Occupational and Diversional Therapy • Optometry / Orthoptics • Speech Pathology / Hearing and Speech • Rehabilitation Counselling • Health Administration • Pharmacy • Education • Medical Radiation Science

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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Information Technology

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Information Processes and Technology • Software Design and Development • Information and D Technology • Mathematics • Mathematics Standard Mathematics Preliminary Extension 1 • Mathematics HSC Extension 1 and / or 2 • Physics • Business Studies • Economics • Visual Art • English Preliminary Extension 1 • English HSC Extension 1 and/or 2 • Business Services • Languages	• Computer Assembly and Repair • CAD • Design Fundamentals • Electrotechnology • Art Visual and Contemporary Crafts • Website Design • Marketing

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- There is no limit to the number of Information Technology / Computing subjects that you can undertake in your HSC.
- Maximum credit transfer into a TAFE diploma level course can be gained by undertaking the Information Technology 240 hour course at school and supplementing it with the Information Technology 60 hour extension and TAFE Delivered courses in Web Design and Production and/or Networking (CISCO). There are several models available for the delivery of these courses in years 11 and 12. See the Information Technology entry in the Senior Studies Guide or your Careers Adviser. Successful completion of a TAFE Diploma may provide significant credit transfer to related university degrees.
- University study of Information Technology or Computing usually assumes the study of HSC 2 unit Mathematics.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Information Technology Security Systems Installation Electronic Equipment Sales and Repair Office Administration **Jobs:** Computer Operator Clerical Assistant Computer technician Parts Assembly Retail Data Entry Operator	**Advanced Diploma, Diploma and Certificates in**: • Information Technology Technical Support • Information Technology Programming • IT Web Site / Management/ Production • IT Network Administration/Engineering • IT Software Application / Development • IT Client Support • IT Data Base Administration • Interactive Multimedia • Engineering Technician • Electronic Technology (Computer Technician) • Business Office Administration • IT Business Analysis • IT Systems Administration, Analysis, Design • International Business (Information Systems)	**Bachelor Degrees in**: • Electrical Engineering • Computer Engineering • Computer Science • Information Technology • Business Information Systems • Software Design • eCommerce • Telecommunications • Computer Programming • Communications Multimedia • IT Professional Practice Innovation • Mathematics Information Management

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

There are many private providers which offer alternative diplomas and degree courses that are often run in partnership with universities

Tourism and Hospitality

YEAR 11 AND HSC PATHWAY

COMPULSORY SUBJECTS	SUGGESTED SUBJECTS SCHOOL DELIVERED	TAFE NSW DELIVERED
English Advanced or English Standard or English EAL / D or English Studies	• Mathematics / Standard Mathematics • Entertainment Industry • Hospitality • Business Studies • Business Services • Food Technology • Business Services • Languages • Retail Services • Geography • Society and Culture • Information Technology • Visual Arts • Design and Technology	• Tourism and Events • Hospitality Specialisation • Marketing • Business Services Specialisation

Other Subjects may be chosen from any area of the curriculum to suit individual interests and abilities.

Some Advice:

- Selection for university study requires an ATAR which is calculated from 10 units of eligible subjects.
- The most common means of entry to the Tourism and Hospitality industry is through diploma or certificate level training delivered by TAFE or other provider. Maximum credit transfer can be gained by completing the 240 hour courses in Tourism and/or Hospitality for the HSC. Some core modules are common to both Tourism and Hospitality and these cannot be counted twice by the BOS. If both Tourism and Hospitality are studied for the HSC additional modules must be included in year 12 to overcome this exclusion. The study of the Hospitality Specialisation course provides additional credit.
- Successful completion of a Diploma in Tourism or Hospitality at TAFE provides significant credit transfer into related university degrees.
- Subjects related to business, such as Business Studies, eBusiness and Business Services, are useful for careers in Tourism and Hospitality Management, while food and design related subjects, such as Food Technology, might be more useful for careers in commercial cookery and catering.

CAREER PATHWAYS

EMPLOYMENT	TAFE NSW	UNIVERSITY
New Apprenticeships Hospitality Operations Tourism Operations Commercial Cookery Baking Meat Processing Wine Operations **Jobs:** Travel Agency (Retail and Wholesale) Housekeeping Hotel Reception Waiting and Bar Service Catering Food Preparation / Kitchen Assistant Retail Clerical Assistant Events Coordinator / Manager	**Advanced Diploma, Diploma and Certificates in**: • Hospitality Management • Catering Operations • Food and Beverage • Kitchen Operations • Commercial Cookery • Accommodation Services • Attractions and Theme Parks • Tourism Management • Tourism Retail Travel Sales • Tourism Tour Operations / Wholesaling • International Retail Sales • Tourism Meetings and Events • Tourism Visitor Information Services • Food Technology • Food Studies (Supervision and Promotion) • Nutrition and Dietary Practices	**Bachelor Degrees in**: • Hospitality Management • Hotel and Catering Management • Tourism Management • Food Science • Business Administration • Marketing • Leisure Studies • Eco Tourism • Coastal Resource Management • Tourism Planning and the Environment • Languages / International Studies

Refer to current Job Guide, TAFE NSW and university Handbooks, UAC Guide, UAC Year 10 Entry Requirement booklet and HSC TAFE Credit Transfer Guide for further job and course information.

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What the students say about subject selection?

"I chose subjects that I enjoyed in Year 10 and listened to the feedback from teachers."

"I knew what I want to do when I left school so I made sure I selected subjects that would get me the highest ATAR to get into that course at university."

"I have no idea what I want to do when I leave school so my Career Adviser suggested I do a combination of ATAR subjects and a VET courses which would leave me with lots of options at the end of Year 12."

"I want do an apprenticeship when I leave school so I decided to start early and applied to do a School Based Traineeship (SBTA). This has allowed me to work one day a week in my chosen career and still complete a HSC - the best of both worlds."

"I spent a lot of time on university websites to look at the courses I was interested in and made sure I had the correct level of Mathematics for the course I intended to apply for after the HSC."

My Career Planning Notes

Students should have this sheet ready for HSC Marketplace, Career Lessons and Subject Selection Interviews.

QUESTIONS- IN THIS SPACE LIST QUESTIONS YOU NEED TO HAVE ANSWERED.	WHO TO ASK?	DETAILS OF ANSWERS

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