

## AGRICULTURE & SCIENCE INDUSTRIES

### HORTICULTURE

Introduces pathways into a range of industries linking horticultural knowledge. Learn about: plant propagation; pests and diseases; tree care; and soils and nutrition. Much of the learning is hands on and students must be prepared to work in all weather conditions.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

Some possible pathways:

- ◊ Agronomist
- ◊ Horticulturist
- ◊ Landscaper

### ANIMAL STUDIES

These courses suit students interested in either working with animals or volunteering and caring for animals. Providing theory and practical training, some in a simulated and some in a workplace environment.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

Some possible pathways:

- ◊ Park ranger
- ◊ Strapper
- ◊ Veterinary assistant
- ◊ Zoo keeper

### CONSERVATION & LAND MANAGEMENT

Learn about land management and conservation issues in a variety of outdoor environments and be involved in hands on projects like trail maintenance, tree planting, weed control and plant and animal identification.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

Some possible pathways:

- ◊ Ecologist
- ◊ Environmental engineer
- ◊ Natural resource manager
- ◊ Park ranger
- ◊ Pest and weed controller
- ◊ Stock and station agent

### LABORATORY SKILLS

This course is designed for students who are interested in pursuing a career in laboratory work. Students will be exposed to skills relating to handling procedures with Lab Equipment, chemicals and basic instruments. Students need to approach this program with an enthusiasm to work in a laboratory environment with a view to develop a career and/or pursue further academic qualifications related to this industry.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE III

Some possible pathways:

- ◊ Laboratory Technician
- ◊ Laboratory Sampler/Tester,
- ◊ Pathology Collector

Study Pathways Include:

- ◊ Certificate IV Laboratory Techniques
- ◊ Diploma Laboratory Technology
- ◊ Advanced Diploma Laboratory Operations
- ◊ A variety of Science, Health Science, Forensic and Environmental degrees

## AUTOMOTIVE INDUSTRIES

Explores practical pathways into a range of automotive industry careers. Undertake workshop & theory training in automotive mechanics. Workshop practices include servicing and fault finding in light vehicle engines, systems & components.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

Some possible pathways:

- ◊ Automotive dismantler
- ◊ Light vehicle mechanic
- ◊ Service Technician
- ◊ Automotive parts interpreter
- ◊ Panel beater/Spray Painter



## CONSTRUCTION INDUSTRIES

### BUILDING CONSTRUCTION

Through Certificate 1 General Construction students will experience bricklaying, carpentry, plastering, plasterboard fixing and flushing, painting and decorating. Specific courses are also offered for Aboriginal students only, FLO students only and Students with Disabilities/NEP only. Students who have completed the Certificate 1 Construction may continue developing their building and construction skills and knowledge doing some Certificate III competencies.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

#### CERTIFICATE III (partial)

Some possible pathways:

- ◊ Bricklayer or concreter
- ◊ Carpenter
- ◊ Painter and decorator
- ◊ Plasterer
- ◊ Scaffolder
- ◊ Stonemason or tiler

### FURNITURE CONSTRUCTION

Furniture Construction provides experience in the manufacture of furniture or fitted cabinets such as those used in kitchens and bathrooms. Skills are also included that cover assisting in the installation or renovation of kitchens and bathrooms and other fitted cabinets.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

Some possible pathways:

- ◊ Cabinet maker
- ◊ Carpenter
- ◊ Shop fitter

#### PLUMBING

Provides training into the plumbing industry. Develop practical and problem solving skills in the water resources and management area through a range of tasks using various materials and tools within a project based approach.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE III (partial)

Some possible pathways:

- ◊ Roof plumber
- ◊ Plumber

## ELECTROTECHNOLOGY INDUSTRIES

Provides basic industry skills and introduction to the broad range of electrotechnology pathways. Workshop activities may include soldering, CNC milling, AutoCAD, electronic projects and problem solving.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

Some possible pathways:

- ◊ Automotive electrician
- ◊ Computer assembly & repair technician
- ◊ Electrical power-linesperson
- ◊ Electrician
- ◊ Electronic instrument tradesperson
- ◊ Electronics repair person
- ◊ Instrument fitter
- ◊ Power generation plant operator
- ◊ Electronics/communications technician



## ENGINEERING INDUSTRIES

Develops mechanical engineering, metal fabrication and design skills. Learn basic technical and manual skills such as fitting and machining, oxy-acetylene welding, manual metal arc welding, metal inert gas welding (MIG), thermal cutting, some sheet metal skills and equipment maintenance. Use and apply computer aided design skills to assist in the design and manufacturing of products.

#### COURSE INFORMATION:

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

#### CERTIFICATE III (partial)

Some possible pathways:

- ◊ Design engineer
- ◊ Draftsman
- ◊ Fabricator
- ◊ Locksmith
- ◊ Marine engineer
- ◊ Mechanical fitter
- ◊ Metal machinist
- ◊ Panel beater
- ◊ Product Designer
- ◊ Steelfixer
- ◊ Welder

## FITNESS, SPORT & RECREATION INDUSTRIES

### SPORT & RECREATION (OUTDOOR RECREATION)

The course uses outdoor experiences to develop an understanding and appreciation of the natural environment, and to gain the knowledge, skills and attitudes necessary for the safe participation in a range of outdoor leisure activities that impact minimally on the environment; and to develop a sense of responsibility and self-reliance.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

#### CERTIFICATE III (partial)

Some possible pathways:

- ◊ Recreation Officer
- ◊ Outdoor Activity Assistant

### FITNESS

Students gain a broad base knowledge and practical skills relevant for immediate application within the scope of practice of a Gym Instructor in the Fitness Industry.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE III

Some possible pathways:

- ◊ Gym Instructor

## HAIR & BEAUTY INDUSTRIES

Develop skills in skincare and makeup, including for special occasions such as catwalk, photo shoots etc, eyebrow shaping, merchandising, retailing and communication. Both practical and theory components of Hairdressing are delivered. Students will apply acquired knowledge through supervised work placements.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE I

#### CERTIFICATE II

#### CERTIFICATE III (full or partial)

Some possible pathways:

- ◊ Beautician
- ◊ Hairdresser
- ◊ Make up artist
- ◊ Nail technician

## HEALTH & COMMUNITY SERVICES INDUSTRIES

Provides an introduction to the community services (helping industries) including early childhood education and care, aged care, disability, mental health and youth services. Students will be required to complete a structured work placement with a community services provider.

### INDIVIDUAL SUPPORT (AGEING OR DISABILITY)

Students will learn how to provide personal care, social and emotional support to person with a disability or an older person, provide care for individuals with dementia and work effectively with culturally diverse clients. May provide a pathway into the Diploma of Nursing.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE III

Some possible pathways:

- ◊ Diversional therapist
- ◊ Enrolled / Registered Nurse
- ◊ Aged care worker
- ◊ Special care worker
- ◊ Therapy Aide
- ◊ Disability worker

### CHILD CARE

Students learn how to support children and their families within child care settings and to be part of a team in implementing appropriate programs for young children. There will be a balance between face to face group learning and structured work placement.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE III

Some possible pathways:

- ◊ Child care worker
- ◊ Education Aide
- ◊ Family Day care worker
- ◊ Nanny
- ◊ Outside of school hours carer (OSHC)

### COMMUNITY & HEALTH SERVICES

Provides an introduction to the community services (helping industries) including children's services, aged care, disability, mental health and youth services. Students will be required to complete a structured work placement with a community services provider.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

#### CERTIFICATE III

Some possible pathways:

- ◊ Health Support services worker
- ◊ Disability worker
- ◊ Nurse
- ◊ Mental health worker
- ◊ Public servant
- ◊ Youth worker

## HOSPITALITY, TOURISM & FOOD PROCESSING INDUSTRIES

### HOSPITALITY

These courses focus on either "Front of House" or "Kitchen Operations (Cookery)" Undertake training in restaurant, kitchen operations, accommodation and reception/ office streams with opportunities to participate in real catering and function events. Structured work placement is compulsory.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II

#### CERTIFICATE III

Some possible pathways:

- ◊ Barista
- ◊ Caterer
- ◊ Chef
- ◊ Hospital food service manager
- ◊ Kitchenhand
- ◊ Pastry cook

### EVENT MANAGEMENT/TOURISM

This training provides a pathway to work in event operations in a range of industries including the tourism and travel, hospitality, sport, cultural and community areas.

These may be with event management companies, event venues, or organizations which organize their own events. Work could be in an office environment where the planning of events takes place, on-site at venues where events are staged or a combination of both.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### Certificate III

Some possible pathways:

- ◊ Conference assistant
- ◊ Meetings assistant
- ◊ Event administrative assistant
- ◊ Exhibitions assistant
- ◊ Venue assistant

### FOOD PROCESSING

This qualification covers a range of Food Processing Industries; for example: -Baking (including the production of bread, cakes and meringue based products). There will also be opportunities to participate in mince and sausage production, chocolate tempering and the making of confectionery items. Food Processors, work to turn raw goods into finished products. They take on many different duties, and are involved in the production of almost every food item found in a typical supermarket, wholesaler, restaurant and café. Students will learn about food safety compliance, Work Health Safety and environmental legislations that apply in the workplace.

#### COURSE INFORMATION

Courses are offered at the following levels:

#### CERTIFICATE II (Partial Certificate III)

Some possible pathways:

- ◊ Baker
- ◊ Butcher
- ◊ Confectioner
- ◊ Chocolatier
- ◊ Pastry Chef
- ◊ Food Quality Assurance Officer



## INDIGENOUS PROGRAMS

Indigenous students can participate in any program; however there are specific courses offered for these students.

### CONSERVATION & LAND MANAGEMENT

Learn about land management and conservation issues in a variety of outdoor environments and be involved in hands on projects like trail maintenance, tree planting, weed control and plant and animal identification.

#### COURSE INFORMATION

Courses are offered at the following levels:

##### CERTIFICATE II

Some possible pathways:  
♦ Ecologist  
♦ Environmental engineer  
♦ Natural resource manager  
♦ Park ranger  
♦ Pest and weed controller  
♦ Stock and station agent

### CONSTRUCTION

(ABORIGINAL STUDENTS ONLY)  
Through Certificate 1 General Construction students will experience bricklaying, carpentry, plastering, plasterboard fixing and flushing, painting and decorating.

#### COURSE INFORMATION

Courses are offered at the following levels:

##### CERTIFICATE I

Some possible pathways:  
♦ Bricklayer  
♦ Carpenter  
♦ Concreter  
♦ Painter and Decorator  
♦ Plasterer  
♦ Scaffolder  
♦ Stone mason  
♦ Tiler

### KAURNA LANGUAGE

Certificate III in Learning an Endangered Aboriginal Language will focus on Kaurna Language. The land has multi-layers of literacy and therefore to Aboriginal people, language is much more than just words. It is a direct link to land and country. It holds traditional songs and stories. It is about spirituality and deep meaning, and it reflects unique cultural concepts and ways of looking at the world. Cultural learning is a major part of the course. Instruction is delivered through intensive workshops and also in community owned and driven environments. Students should be prepared to do at least 20 hours per week of unstructured practice of the language.

#### COURSE INFORMATION

Courses are offered at the following levels:

##### CERTIFICATE III

### KITCHEN OPERATIONS (HOSPITALITY)

(ABORIGINAL STUDENTS ONLY)  
Undertake training in kitchen operations, with opportunities to participate in real catering and function events. Structured work placement is compulsory.

#### COURSE INFORMATION

Courses are offered at the following levels:

Introductory program  
CERTIFICATE II

##### Some possible pathways:

♦ Kitchenhand  
♦ Pastry Cook  
♦ Barista  
♦ Caterer  
♦ Chef

## INFORMATION TECHNOLOGY, ENTREPRENEURSHIP & BUSINESS INDUSTRIES

### INFORMATION TECHNOLOGY

Provides foundation knowledge towards both technical and clerical pathways. Develop an understanding of software, operating systems and hardware. Topics may include applications, programming, networking, maintenance and design.

#### COURSE INFORMATION

Courses are offered at the following levels:

CERTIFICATE II  
CERTIFICATE III

##### Some possible pathways:

♦ Computer programmer  
♦ Computer technician  
♦ IT support technician  
♦ Game developer  
♦ Network manager  
♦ Web designer

### ENTREPRENEURSHIP (MICRO BUSINESS) & BUSINESS

Gain the skills and knowledge to operate a business enterprise, to be employed in a business or office environment or to pursue a career in the management of business.

#### COURSE INFORMATION

Courses are offered at the following levels:

CERTIFICATE II  
CERTIFICATE III

##### Some possible pathways:

♦ Business owner/operator  
♦ Finance officer  
♦ HR manager  
♦ Office administrator  
♦ Personal assistant  
♦ Receptionist  
♦ Secretary

## LANGUAGE, LITERACY AND NUMERACY

### ENGLISH PROFICIENCY

This course is designed for students for whom English is an additional language. It aims to develop with guidance, social, educational and vocational goals; develop competencies in speaking, listening, reading and writing to function effectively within the Australian community; prepare students to look for work in the future; and develop skills for further vocational study or university, before finding a job.

**COURSE INFORMATION**  
Courses are offered at the following levels:

CERTIFICATE II  
(I & III may also be offered)

Some possible pathways,  
(prerequisites must be met):  
♦ Further vocational training  
♦ University course

### KAURNA LANGUAGE

Certificate III in Learning an Endangered Aboriginal Language will focus on Kaurna Language. The land has multi-layers of literacy and therefore to Aboriginal people, language is much more than just words. It is a direct link to land and country. It holds traditional songs and stories. It is about spirituality and deep meaning, and it reflects unique cultural concepts and ways of looking at the world. Cultural learning is a major part of the course. Instruction is delivered through intensive workshops and also in community owned and driven environments. Students should be prepared to do at least 20 hours per week of unstructured practice of the language.

**COURSE INFORMATION**  
Courses are offered at the following levels:

CERTIFICATE III

## MUSIC & MULTIMEDIA

### MUSIC

Being introduced to and exploring aspects of music creative industries which may include music performance event management, stage lighting, sound systems, song writing and musical performance.

#### COURSE INFORMATION

Courses are offered at the following levels:

CERTIFICATE II  
CERTIFICATE III

##### Some possible pathways:

♦ Musician  
♦ Radio producer  
♦ Sound mixer, producer or technician

### MULTIMEDIA AND CODING

Provides an introduction to critical thinking and industry knowledge in a broad range of multimedia pathways. Courses may explore desktop publication, digital imaging, animation, web design, filmmaking including audio and graphics for publication and simulations for gaming. In certain courses, students will develop fundamental programming skills (using C# coding language) and computer science knowledge as they design and implement game mechanics. Specific courses are offered for FLO students only.

#### COURSE INFORMATION

Courses are offered at the following levels:

CERTIFICATE II  
CERTIFICATE III

##### Some possible pathways:

♦ 2D/3D Animator  
♦ Advertising specialist  
♦ Desktop publisher  
♦ Sign writer  
♦ Film maker/ Editor  
♦ IT Specialist  
♦ Computer Engineer  
♦ Multimedia Programmer  
♦ Website Developer  
♦ Simulation Developer

## TRANSPORT & LOGISTICS INDUSTRIES

### LOGISTICS OPERATIONS

This course is designed for jobs within the Transport and Logistics Industry. Knowledge and practical skills are gained around the day to day operations of a transport or logistics company which includes industry and WHS legislations and compliance understanding.

#### COURSE INFORMATION

Courses are offered at the following levels:

CERTIFICATE III (partial)

##### Some possible pathways:

♦ Forklift driver  
♦ Freight handler  
♦ Despatch/receival clerk  
♦ Stores person  
♦ Furniture removalist  
♦ Deliver/courier driver  
♦ Yard hand/dockhand  
♦ Warehouse worker  
♦ Logistics officer  
♦ Bus/truck driver

## THE NORTHERN ADELAIDE STATE SECONDARY SCHOOLS' ALLIANCE

NASSSA is a confederation of eleven schools in Northern Adelaide.

NASSSA was formed to maximise the learning opportunities, career pathways, retention and educational outcomes for all students in alliance schools in northern Adelaide.

By collaborating, combining resources and mobilising community and industry support across all alliance schools, NASSSA aims to improve outcomes for all students.

**To Apply:** Contact your school's VET Leader.

You will go through a counselling, application and selection process. Course providers will ultimately approve enrolments. Students will be notified of the outcomes by letter during term 4, 2016, which will include the details of the orientation and training days which you will be required to attend.

### NASSSA SCHOOLS

TOGETHER FOR QUALITY EDUCATION, QUALITY FUTURES



**Craigmore High School**  
8254 6522



**Gawler & District College B-12**  
8521 2400



**Kaurna Plains Aboriginal School**  
8252 4419



**Mark Oliphant College**  
8209 1600



**Northern Adelaide Senior College**  
7285 1600



**Paralowie R-12**  
8182 7222



**Parafield Gardens High School**  
8258 9855



**Para Hills High School**  
8258 5466



**Playford International College**  
8255 7566



**Salisbury East High School**  
8258 2070



**Salisbury High School**  
8182 0200



For further detailed course information go to:  
[nasssa.eschoolsolutions.com.au/pages/public/courses.aspx](http://nasssa.eschoolsolutions.com.au/pages/public/courses.aspx)

For course videos go to:  
[www.nasssa.com.au/students/vet/videos](http://www.nasssa.com.au/students/vet/videos)

Northern Adelaide State Secondary Schools' Alliance  
Senior Leader, Pathways 0418 855 460



# 2017 VOCATIONAL EDUCATION AND TRAINING PATHWAYS

TO APPLY, CONTACT YOUR SCHOOL'S VET LEADER



# NASSSA

TOGETHER FOR QUALITY EDUCATION, QUALITY FUTURES