HELLO THERE, OUR DREAM IS TO HELP YOU MAKE GREAT HAPPEN

Industry endorsed  University Pathways  Payment options  Student satisfaction

$15000 VET Student Loan available

Designing infrastructure for the future

Infrastructure designed well is the backbone of any productive community. Building on your existing knowledge base, as a student of this Advanced Diploma you’ll learn how to design roads that keep the traffic moving; railways that deliver trains on time; drains that manage water better and bridges that bring communities closer together. You’ll advance your knowledge of computer aided drafting (CAD) software and well as project management, surveying, costing and structural design theory.

In this program, you’ll develop skills in:

- using computer-aided

LOCATION/S
Gold Coast - Ashmore

DURATION
Full time: 1 year / 2 days per week, 2 years / 3 days per week

Course delivery options

<table>
<thead>
<tr>
<th>WORKLOAD</th>
<th>LOCATION</th>
<th>DELIVERY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full time</td>
<td>Gold Coast - Ashmore</td>
<td>Classroom</td>
</tr>
<tr>
<td>3 days per week, 2 days per week</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Key dates

For key start dates for each location visit the online brochure for this course (under the course details tab):

tafegoldcoast.edu.au/course/16816

Entry requirements

The minimum entry requirements for this course are:

- Competency in basic

Resources required

Students are required to bring pens, notepad, USB memory stick and a scientific calculator.

Got a question?
Enquire about your full fee study options

FULL FEE
$6,000 - $16,500
This is the total cost of the course.

Accurate as at 4 September 2017. For the latest information see:

tafegoldcoast.edu.au/course/16816

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Outcome

- Students undertaking this course can be employed as technicians and similar jobs within the civil construction and geotechnical industry.
- Articulation is offered with Griffith University for the Advanced Diploma with a time credit offered.
- This course can lead to a degree in Civil, Structural and Geotechnical engineering.

It is envisaged that graduates, depending on units undertaken, will be in a position to develop careers in the following fields:

- Civil Engineering Designer
- Computed Aid Design Drafter
- Structural Engineer
- Contract Manager
- Structural Engineering Designer
- Civil Engineer - Construction

University pathways

A course with TAFE Queensland Gold Coast can be a great path to university. In many cases, you can save up to one year from your university qualification.

Read our University Pathways guide to learn all about it.

Job prospects

- Civil Engineering Professionals

Units

Year 1 - You will focus on computer-aided drafting (CAD) which will give you the skills to enter employment as soon as possible.

Other core elements of the program include:

Are you ready to take the next step on your path to great?

Enrol today to secure your spot in this course.

HOW TO ENROL

Enrol now

You're ready if you have:

- checked your important dates (under the course details tab)
- checked you meet the entry requirements (under the course details tab)
- checked your course costs and know which payment option is right for you (under the costs tab)
- Read the student rules and refund policy
- Created your Unique Student Identifier and can provide this code to TAFE Queensland

All done? Then head to the link below to complete your enrolment:
aufegoldcoast.edu.au/study-with-us/enrolment-fees/enrol

Apply through QTAC

Making TAFE one of your top QTAC preferences is a great way to maximise your career choices and gain the hands-on skills you need to operate in the real world.

We offer hundreds of pathways to university, including dual awards, credit arrangements with some of the country’s top universities, and options to increase your OP so you can gain entrance to the tertiary course of your dreams.

Recognition of prior learning

Accurate as at 4 September 2017. For the latest information see:
aufegoldcoast.edu.au/course/16816
Year 2: You will focus on the design of roads, drains, foundations, and concrete and steel structures. You will round out the program with complementary studies in areas such as hydrology and the mechanics of structures, fluids and soils (including laboratory testing), giving you insight into a range of civil and structural issues.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Level</th>
<th>Diploma</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEM30031A</td>
<td>Operate computer-aided design (CAD) system to produce basic drawing elements</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU21156</td>
<td>Use computer aided drafting systems</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU21157</td>
<td>Use advanced 2D and 3D computer aided drafting techniques</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM13014A</td>
<td>Apply principles of occupational health and safety in the work environment</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM16006A</td>
<td>Organise and communicate information</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22100</td>
<td>Apply principles of mechanics to engineering problems</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22129</td>
<td>Apply surveying for civil engineering projects</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM30012A</td>
<td>Apply mathematical techniques in a manufacturing or related environment</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>MSAENV272B</td>
<td>Participate in environmentally sustainable work practices</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22127</td>
<td>Apply environmental issues to engineering projects</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM30007A</td>
<td>Select common engineering materials</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22125</td>
<td>Apply construction principles to civil engineering</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22142</td>
<td>Produce drawings to enable urban road construction</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM23004A</td>
<td>Apply technical mathematics</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU20912</td>
<td>Perform basic machining processes</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22124</td>
<td>Implement site investigation procedures</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22128</td>
<td>Apply principles of mechanics to engineering structures</td>
<td>Elective</td>
<td>Diploma</td>
</tr>
<tr>
<td>MEM18001C</td>
<td>Use hand tools</td>
<td>Core</td>
<td>Diploma</td>
</tr>
<tr>
<td>VU22131</td>
<td>Produce an engineering drainage design of pipes and culverts</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>VU22128</td>
<td>Implement advanced principles of materials science to engineering applications</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>VU21149</td>
<td>Design timber structures</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>VU21135</td>
<td>Produce an engineering design for a steel structure</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>VU21148</td>
<td>Analyse and design foundations and footings</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>BSBPMG510A</td>
<td>Manage projects</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>MEM23007A</td>
<td>Apply calculus to engineering tasks</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>VU22134</td>
<td>Produce an engineering design for a reinforced concrete structure</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
</tbody>
</table>

Fast-track your way to a formal qualification by earning credit for the things you already know. Getting recognition for the skills you've gained from the workplace or previous learning means less study time for you, and getting the paper to prove you're qualified a whole lot sooner.


Make your future happen

Connect with TAFE on Facebook

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<tr>
<td>VU21244</td>
<td>Apply principles of hydraulics to pipe and channel flow</td>
<td>Elective</td>
<td>Advanced Diploma</td>
</tr>
<tr>
<td>MEM22002A</td>
<td>Manage self in the engineering environment</td>
<td>Core</td>
<td>Advanced Diploma</td>
</tr>
</tbody>
</table>

Disclaimer

Not all electives available at all campuses

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