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**UEE62011 Advanced Diploma of Engineering Technology – Renewable Energy**

**AUSTRALIAN QUALIFICATION**

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| **Course** | **UEE62011 – Advanced Diploma of Engineering Technology – Renewable Energy** |
| Registered Training Organisation | Chisholm Institute  121 Stud Road  Dandenong, Victoria, Australia 3175  **RTO Registration No. 260** |
| Chisholm Course Coordinator | International Projects  Email: [international.projects@chisholm.edu.au](mailto:international.projects@chisholm.edu.au) |
| Entry Requirements | 1. Successful completion of Year 12 2. Chisholm English Language Level 3.5 |
| Course Duration | Three years consisting of:   * Year 1 - English Language development * Years 2 and 3 - UEE 62011Advanced Diploma of Engineering Technology – Renewable Energy |
| Method of Delivery | The course is full time delivered in class for 25 hours per week over 40 weeks per year. |
| Course Overview | During the course, you will learn about renewable energy technologies; project management; planning, design, installation, testing and maintenance of renewable energy systems and equipment; effective management techniques; and workplace safety. |
| Sample Units of Competency | Your full list of competencies is listed below and will be provided to you at the commencement of your course.  BSBWOR502B Ensure team effectiveness  UEENEEC001B Maintain documentation  UEENEEC010B Deliver a service to customers  UEENEED101A Use computer applications relevant to a workplace  UEENEED104A Use engineering applications software on personal computers  UEENEEE081A Apply material science to solving electrotechnology engineering problems  UEENEEE082A Apply physics to solving electrotechnology engineering problems  UEENEEE101A Apply occupational health and safety regulations, codes and practices in the workplace  UEENEEE102A Fabricate, assemble and dismantle utilities industry components  UEENEEE104A Solve problems in d.c. circuits  UEENEEE105A Fix and secure electrotechnology equipment  UEENEEE107A Use drawings, diagrams, schedules, standards, codes and specifications  UEENEEE108A Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits  UEENEEE117A Implement and monitor energy sector OHS policies and procedures  UEENEEE124A Compile and produce an energy sector detailed report  UEENEEE125A Provide engineering solutions for problems in complex multiple path circuit  UEENEEE126A Provide solutions to basic engineering computational problems  UEENEEE137A Document and apply measures to control OHS risks associated with electrotechnology work  UEENEEG101A Solve problems in electromagnetic devices and related circuits  UEENEEG102A Solve problems in low voltage a.c. circuits  UEENEEG149A Provide engineering solutions to problems in complex polyphase power circuits  UEENEEI150A Develop, enter and verify discrete control programs for programmable controllers  UEENEEI151A Develop, enter and verify word and analogue control programs for programmable logic controllers  UEENEEK123A Carry out basic repairs to renewable energy apparatus  UEENEEK125A Solve basic problems in photovoltaic energy apparatus and systems  UEENEEK132A Develop strategies to address environmental and sustainability issues in the energy sector  UEENEEE015B Develop design briefs for electrotechnology projects  UEENEEE074B Write specifications for renewable energy engineering projects  UEENEEE080A Apply industry and community standards to engineering activities  UEENEEK121A Manage renewable energy (RE) projects  UEENEEK122A Plan renewable energy (RE) projects  UEENEEK124A Solve basic problems in micro hydro systems  UEENEEK127A Diagnose and rectify faults in renewable energy control systems  UEENEEK128A Solve problems in stand-alone renewable energy systems  UEENEEK130A Solve problems in wind energy conversion systems rated up to 10 kW  UEENEEK131A Design wind energy conversion systems (WECS) rated to 10 kW  UEENEEK133A Design hybrid renewable power systems  UEENEEK134A Install ELV stand-alone photovoltaic power systems  UEENEEK135A Design grid connected photovoltaic power supply systems  UEENEEK137A Install, set up and maintain ELV micro-hydro systems rated up to 6.4 kW  UEENEEK138A Design micro-hydro systems rated to 6.4 kW  UEENEEK139A Design stand-alone renewable energy (RE) systems  UEENEEK140A Develop engineering solutions to renewable energy (RE) problems  UEENEEK146A Design energy management controls for electrical installations in buildings  UEENEEK151A Develop effective engineering strategies for energy reduction in buildings |
| Chisholm’s Obligations to you | You will be enrolled as a student at Chisholm as well as our Training Partner Institute. This means that Chisholm will be responsible for the quality of your training and assessment. It also means that you will be covered by Chisholm policies in the event that our Training Partner Institute ceases delivery of this course.  Upon graduation you will be awarded:   * Chisholm Institute English Certificate * Advanced Diploma of Engineering Technology – Renewable Energy (UEE 62011) * Diploma from your Power Institute   Upon enrolment you will have access to:   * UEE62011 Course Guide with information about the course, units, assessment, learning resources, policies and coordinator detail * A copy of the learning resources for the course such as textbooks, course workbooks manuals and any additional classroom handouts.   You will be advised by the Training Partner Institute of any additional materials and equipment that the student may need to provide for their training. |
| Grievances | Chisholm recognises that from time to time student grievances or complaints may occur on various matters. The Chisholm Complaint Policy is designed to facilitate the equitable and speedy resolution of these grievances. All students are entitled to fair and consistent treatment and prompt consideration and resolution of complaints. You can gain further information through your course coordinator or the Chisholm course coordinator.  See link below for Complaints and Appeals Policy |
| RPL | Chisholm has a policy to provide for the assessment and various types of learning undertaken by a student prior to enrolment at Chisholm. This may include relevant work experience and other courses of study. This is known as Recognition of Prior Learning (RPL).  You can gain further information through your course coordinator or the Chisholm course coordinator, if you believe this to be relevant to you.  See link below for RPL and Credit Transfer Policy |
| Chisholm Policies | Chisholm policies and procedures are available on the internet:  <https://qms.chisholm.edu.au/>  Some of the key policies relating to students are listed below: |
| |  |  | | --- | --- | | * Assessment of Learning | QMS 111 | | * Privacy and Freedom of Information | QMS 301 | | * Copyright and Intellectual Property | QMS 302 | | * Complaints and Appeals | QMS 306 | | * Student Code of Conduct | QMS 117 | | * RPL and Credit Transfer | QMS 107 | |
| Pathways | When students complete their course at Chisholm, it opens the door to further study, either at Chisholm or another Australian Institution. In some case graduates will be eligible for credit transfer into aligned university programs at the successful completion of the Chisholm Diploma.  Students will gain further information from the Course Coordinator and the Student Handbook. |
| Fees | You will be advised of the fees, payment terms and conditions and refund policy for this course by our Training Partner Institute. |

