



WECP

WORLD ENERGY CITIES PARTNERSHIP

Education Committee Directory 2017

Higher Education and Vocational Programs



Table of Contents

Angola: ----- [3](#)

- Luanda

Australia: ----- [4](#)

- Perth

Canada:----- [5-10](#)

- Halifax, St. John's

China: ----- [10-13](#)

- Dongying, Karamay

Norway: ----- [14](#)

- Stavanger

South Africa:----- [14](#)

- Cape Town

United Kingdom: ----- [15-16](#)

- Aberdeen

United States:----- [16-21](#)

- Houston



Angola

Luanda

Agostinho Neto University

Website: <http://www.uan.ao/en/research-centers/lesra/>

Description: This R&D framework has been created within the framework of the actions of the UNESCO UNITWIN Chair on “Chemical and Environmental Engineering”, which is part of the UNITWIN Chair “Established at the Faculty of Engineering of Agostinho Neto University on April 22, 1997 on the initiative of the group of European Universities of Santander. This Chair was in force until March 2016.

Australia

Perth

Curtin University Engineering and mining

Contact: Claus Otto - Professor

Email: claus.otto@curtin.edu.au

Website: <http://courses.curtin.edu.au/engineering/>

Description: Western Australia has a booming resources industry and at Curtin, you'll get heaps of opportunities for hands-on experience and industry training. Our courses will teach you about the mining and engineering industries and help you develop the self-confidence and interpersonal skills needed for a successful career in some of the world's most economically important industries.

Edith Cowan University

Contact: Allison Stephens - Manager, Development

Email: a.stephens@ecu.edu.au

Website: <https://www.ecu.edu.au/degrees/study-areas/engineering-and-technology#your-degree>

Description: Our School of Engineering is one of the fastest growing engineering schools in Australia.

It's a place where you'll experience world-class engineering facilities in a supportive learning environment.

You'll gain valuable practical experience at our advanced labs and workshops.

And our close collaboration with industry bodies means you'll be prepared for the engineering challenges of the real world – with a foot in the door before you graduate.

Perth (continued)

Murdoch University

Website: <http://www.murdoch.edu.au/Research-capabilities/Looking-for-research/>

Description: Murdoch was created as a research university and since its establishment in 1975 it has earned and maintained a strong reputation for the excellence of its research work. The University has a demonstrated ability to work with commercial and public-sector partners with a high proportion of our academic staff engaged in productive, income generating research.

Liberating the full value of Australian resources more efficiently, more sustainably and with a lower environmental impact is a challenge Murdoch researchers are helping industry to meet.

Strong partnerships with industry and other stakeholders across the sector enhance our work in areas including minerals, hydrocarbons, biomass (including waste), wind, wave and solar energy and, of course, our most precious resource - water.

North Metropolitan

Contact: Paula Dewhurst - Portfolio Director

Email: paula.dewhurst@nmtafe.wa.edu.au

Website: <https://www.northmetrotafe.wa.edu.au>

Description: Some of the biggest engineering, mining and construction companies in the world have offices in Western Australia and are constantly looking for highly qualified staff in this exciting, diverse and ever evolving field. At North Metropolitan TAFE, students learn the latest developments in research and industry from expert lecturers, in purpose-built, contemporary facilities.

Perth (continued)

The University of Notre Dame Australia

Contact: Professor Celia Hammond - Vice Chancellor

Email: fremantle.reception@nd.edu.au

Website: http://www.nd.edu.au/fremantle/schools/arts_sciences

Description: The University of Notre Dame Australia is a private national Catholic university with more than 11,000 students across its campuses in Fremantle, Broome and Sydney.

As outlined in the University's Objects, Notre Dame provides an excellent standard of pastoral care for students and is one of the highest rated universities in Australia with a leading graduate employment rate of 79% (well above the national average of 69%).

Degrees and courses are offered in the following schools: Arts & Sciences | Business | Education (Teaching) | Health Sciences | Law | Medicine | Nursing & Midwifery | Philosophy & Theology | Physiotherapy | Pathways

A range of Vocational Education and Training courses (VET) are also offered on the Broome campus in Community Services, Education, Health and Nursing.

Notre Dame has a powerful commitment to honouring the individual and recognises that each student is graced with their own unique gifts and talents. Notre Dame's student experience, employment and graduate outcomes are among the very best in Australia.

Students apply directly to the university. Notre Dame's unique admissions process considers the whole person and goes beyond a single score, taking personal qualities, work, sporting achievement and community service into consideration.

Perth (continued)

University of Western Australia (UWA) Innovation and Industry Engagement

Contact: Robyn Sermon - A/Director

Email: robyn.sermon@uwa.edu.au

Website: <http://www.innovation.uwa.edu.au>

Description: UWA's Innovation and Industry Engagement division leads the development and stewardship of university partnerships with industry, the not-for profit sector, governments and communities. The division drives key engagement strategies in specific sectors, including space, defence and energy and resources and advocates Perth's regional role as an energy city and innovation hub.

Canada

Halifax

Dalhousie University - Petroleum/Oil & Gas Engineering

Contact: Dr. Adam Donaldson - Graduate Coordinator

Email: adam.donaldson@dal.ca

Website: https://www.dal.ca/academics/graduate_programs/petroleum-engineering.html

Description: Petroleum Engineering at Dalhousie is viewed as a specialized professional discipline focused on the fundamental knowledge and skills associated with the production, transport and processing of petroleum products. The Faculty of Engineering at Dalhousie University offers challenging new education and research programs focused on Atlantic Canada's oil and gas industry. These programs are supported by expertise, experience and resources from all of the Faculty's departments. They reflect a broad vision of "oil and gas engineering" as an integrated endeavor based upon concepts, principles and techniques from all professional engineering disciplines. integrated management large ocean management areas.

Dalhousie University - Masters of Marine Management

Contact: Dr. Claudio Aporta - Director of Marine Affairs Program

Email: claudio.aporta@dal.ca

Website: <https://www.dal.ca/academics/programs/graduate/mmm.html>

Description: The Marine Affairs Program offers the Master of Marine Management degree to students with a strong academic record who are planning a career path in marine affairs and have an interest in climate change, public and private sector management, conservation science, planning, public service, engineering, community organizing or public policy. Visit the Program Details page to find out more.

Halifax (continued)

Nova Scotia Community College - Marine Engineering Technology

Contact: Patsy MacDonald - Registrar

Email: nautical@nsccl.ca

Website: http://www.nsccl.ca/learning_programs/programs/plandescr.aspx?prg=METD&pln=METECHDIP

Description: The program offers a comprehensive course load complete with advanced training modules and techniques. You build a broad-based knowledge of highly complex engineering systems of a modern ship. You study the major principles of mechanical and hydraulic machinery, electrical systems, naval architecture and ship construction instrumentation and control systems, computer and information technology and then put the theory to work in the operation of a state-of-the-art propulsion plant simulator. Safety training is covered through the campus Fire Fighting and Boat Facilities.

Nova Scotia Community College - Marine Industrial Rigging

Contact: Patsy MacDonald - Registrar

Email: it.info@nsccl.ca

Website: http://www.nsccl.ca/learning_programs/programs/plandescr.aspx?prg=MIRG&pln=MARINDRIG

Description: In this program, you develop the skills and knowledge you require to work safely with rigging and hoisting with a high degree of accuracy in construction, industrial and marine settings. You learn to fabricate, inspect, install and repair rigging slings and equipment used to lift and move machinery or other heavy objects within marine and industrial environments. After you complete this program and pending completion of further certification, you're able to operate heavy workplace machinery (e.g., forklift, personnel lift and, with supervision, electric overhead crane, boom truck and mobile crane).

St. John's

College of the North Atlantic - Office of Applied Research

Contact: Mohammad Iqbal - Chair of Applied Research

Email: ar@cna.nl.ca

Website: <http://www.cna.nl.ca/Research-And-Innovation/>

Description: Office serves as one of the college's main points of contact for industry, government, and community groups interested in research collaborations and outreach activities. Offers a research environment that is both intimate and expansive, one in which faculty are engaged in innovative ideas that, in some cases, are locally focused, while others have global reach and many are interdisciplinary in nature.

College of the North Atlantic - School of Engineering Technology

Contact: Brent Howell - Dean of Engineering Technology and Natural Resources

Email: brent.howell@cna.nl.ca

Website: <https://www.cna.nl.ca/Programs-Courses/All-Programs.aspx?school=Engineering+Technology>

Description: Newfoundland and Labrador's public college with 17 campus locations throughout the Province, and operates a technical education college for the State of Qatar in the Middle East. Offering 100 full-time program offerings and more than 300 part-time courses for some 25,000 students each year. Offers Engineering Technology Diploma Programs.

St. John's (continued)

Memorial University of Newfoundland (Engineering)

Contact: Dr. Leonard Lye - Associate Dean, Graduate Studies

Email: engrdoffice@mun.ca

Website: https://www.mun.ca/engineering/graduate/programs/oil_gas/

Description: The Faculty of Engineering and Applied Science at Memorial University offers course-based and thesis-based graduate programs leading to a Master of Applied Science (MASc), Master of Engineering (MEng), or Doctor of Philosophy (PhD) in Oil and Gas Engineering. Also offers premier undergraduate programs in Civil, Computer, Electrical and Mechanical engineering.

Memorial University of Newfoundland

Contact: Dr. Ray Gosine - Vice-President (Research) Pro Tempore

Email: vp.research@mun.ca

Website: <http://www.mun.ca/research/>

Description: Memorial University has a vibrant culture of creativity and innovation that is reflected in the research activities of our scholars and researchers. Memorial is recognized for its rich record of engagement with community partners and research collaborators, in Newfoundland and Labrador and around the world.

St. John's (continued)

National Research Council - Ocean, Coastal and River Engineering (NRC/OCRE)

Contact: Terry Lindstrom - General Manager

Email: Terry.Lindstrom@nrc-cnrc.gc.ca

Website: <http://www.nrc-cnrc.gc.ca/eng/rd/ocre>

Description: NRC Ocean, Coastal and River Engineering (NRC OCRE) supports a broad cross section of industry sectors by developing creative and practical solutions to engineering challenges in rivers, lakes and marine environments. NRC OCRE offers specialized consulting and applied research services in ocean engineering, coastal engineering, solutions for water resources management, marine safety standards and technologies, as well as marine renewable energy assessments and technology.

Petroleum Research Newfoundland and Labrador

Contact: David Finn - COO

Email: dave.finn@petroleumresearch.ca

Website: <http://www.pr-ac.ca/>

Description: Research facilitation and management for Newfoundland and Labrador's offshore industry. Petroleum Research is a federally-incorporated, not-for-profit organization that facilitates and funds research and development on behalf of Newfoundland and Labrador's offshore oil and gas industry. Petroleum Research is a member-based organization that identifies research and technology development opportunities that deliver value to its oil and gas industry participants.

St. John's (continued)

Research & Development Corporation of Newfoundland and Labrador

Contact: Mark Ploughman - Acting Chief Executive Officer

Email: info@rdc.org

Website: <http://www.rdc.org/>

Description: RDC is a provincial Crown Corporation established to strengthen the focus, quantity, quality, and relevance of R&D for the long-term economic benefit of Newfoundland and Labrador. RDC invests in projects that support highly-qualified people, world-class infrastructure and cutting-edge research. RDC delivers applied R&D services needed by businesses, to help them solve their technical challenges right here in Newfoundland and Labrador. To maximize the economic impact of investments, RDC targets the priority sectors of energy, mining/minerals and ocean technology given the province's competitive advantages in those sectors, while also investing in projects in other sectors that will deliver a positive economic impact.

China

Dongying

China University of Petroleum Shengli College

Contact: Yinxun Suo - Office Director

Email: suoyinxun@163.com

Website: <http://www.slcupc.edu.cn>

Description: China University of Petroleum Shengli College is a full-time undergraduate college approved by the State Ministry of Education, which is run cooperatively by China University of Petroleum and the large state-owned enterprise Shengli Petroleum Administration Bureau as well as the Government of Dongying City.

Dongying (continued)

China University of Petroleum Shengli College

Contact: Yinxun Suo - Office Director

Email: suoyinxun@163.com

Website: <http://www.slcupc.edu.cn>

Description: China University of Petroleum Shengli College is a full-time undergraduate college approved by the State Ministry of Education, which is run cooperatively by China University of Petroleum and the large state-owned enterprise Shengli Petroleum Administration Bureau as well as the Government of Dongying City.

Dongying Vocational Institute

Contact: Meng Die (Tina) - Minister of International Exchanges Ministry

Email: 41708831@qq.com

Website: <http://www.dyxy.edu.cn/>

Description: Established in July, 2001, Dongying Vocational Institute is a nationally recognized key vocational institute and Shandong Provincial Demonstrative Vocational Institute. The institute covers an area of 1902 mu with construction area of 401300 square meters and teaching equipment worth of 139 million RMB. It has 804 faculty and staff, of which 591 are full-time teachers. It has established resource pool of 810 part time teachers of different industries and enterprises. It has 52 majors of 8 secondary schools with 18,200 current registered students.

Karamay

China National Petroleum Corporation Xinjiang Training Center (Xinjiang Technician College)

Contact: Jinli Zhang - Principal

Email: zhangjl2@petrochina.com.cn

Website: <http://www.xjyt.petrochina/sites/jspxy/default.aspx>

Description: China National Petroleum Corporation Xinjiang Training Center (Xinjiang Technician College) was founded in 1979 and it was awarded the title of the "Xinjiang high-skilled talent training base" by the department of Human resources and social security of Xinjiang Uyghur autonomous region. The College has 600 fulltime and part time teachers, including 223 full-time teachers, 38 senior lecturer, 150 teaching fellows. Currently the college has 9 kinds of training programs, including oil engineering, electrical engineering, mechanical processing, road transportation, construction, green property management, safety engineering, physical and mental health, comprehensive management training program. The college has a training base, covering an area of 650000 square meters, a total construction area of 111000 square meters, 28 training workshops and 4 outdoor training ground.

Karamay (continued)

Karamay Vocational & Technical College

Contact: Wang He - College President

Email: wanghe@klmy.gov.cn

Website: www.kzjsxy.net

Description: Karamay Vocational & Technical College was founded in 1956. The college focuses on engineering and liberal arts. It is a director unit of Xinjiang petroleum and petrochemical vocational education zone. In 2010, the college is approved as the National Demonstrative Vocational College by China Ministry of Education and Ministry of Finance. College runs with petroleum, petrochemical and other ten major categories of 43 professions. There are over 6000 students. Annual training company employees more than 2000 people. The college has abundant qualified teachers with 6 Excellent Autonomous Region Teaching Teams. The college owns advanced and complete experiment and training facilities. There are 29 training workshops and 124 campus experiments, training rooms; at the same time, there are 91 out-campus practice training bases, which can meet the needs of students skill training. The college was awarded as the "oil and chemical industry vocational education and the national demonstration training base" by China Petroleum and Chemical Industry Federation, China Chemical Education Association.

Norway

Stavanger

University of Stavanger

Contact: Dr. Oystein Lund Bo - Dean

Email: oystein.l.bo@uis.no

Website: <http://www.uis.no/faculties-departments-and-centres/faculty-of-science-and-technology/>

Description: The Faculty of Science and Technology has about 2000 students and 200 employees. The curriculum focuses especially on engineering disciplines, while research activities are characterized by innovation and collaboration with industry and government.

South Africa

Cape Town

University of Cape Town - Energy Research Centre

Contact: Bongeka Matubatuba - Secretary

Email: bongeka.matubatuba@uct.ac.za

Website: <http://www.erc.uct.ac.za/education/prospective/masters>

Description: UCT, through the Energy Resource Centre offers: MSc in Sustainable Energy Engineering and MPhil in Energy and Development Studies.

United Kingdom

Aberdeen

North East Scotland College

Contact: Liz McIntyre - Principal

Website: www.nescol.ac.uk

Description: Further education and vocational college offering a wide range of post-school education including engineering and technology disciplines

Robert Gordon University

Contact: Professor Ferdinand von Prondzynski - Principal

Website: www.rgu.ac.uk

Description: The Oil & Gas Centre is located in RGU's stunning new Sir Ian Wood Building with state of the art facilities and is home to our fantastic DS-6000 drilling simulator, a joint venture between RGU and our partner the Aberdeen-based international Drilling Contractor KCA Deutag. Our courses are designed for those wishing to convert to the oil and gas industry or to specialize in specific vocational areas to improve their career prospects. The Oil & Gas Centre is directed and staffed by seasoned industry professionals and academics, and maintains extensive close contacts with industry to make sure you have the best opportunity for a successful career in oil and gas engineering. In addition to training individual Engineers to the highest standards, we also partner directly with many of the biggest operators and service companies to up-skill their existing Engineering resource.

Aberdeen (continued)

University of Aberdeen

Contact: Sir Ian Diamond - Principal

Email: ian.diamond@abdn.ac.uk

Website: www.abdn.ac.uk

Description: University offering degree and higher level courses / research in a wide range of subject areas. Specialisms include oil and gas innovation and sub-sea research: <http://www.abdn.ac.uk/oceanlab/>.

United States

Houston

Energy Institute High School

Contact: Lori Lambropoulos - Principal

Email: llambrop@houstonisd.org

Website: <http://www.houstonisd.org/Domain/644>

Description: The Energy Institute High School is focused on preparing High School students for careers in the energy field.

Houston (continued)

MIAT College of Technology

Contact: Michael Reeve

Email: MReeve@miat.edu

Website: <http://www.miat.edu/campuses/houston-texas/>

Description: The Energy Programs from MIAT College of Technology provide the hands-on training, practical experience and industry support it takes to pursue a rewarding technical career. Classes are interactive and led by industry professionals with years of experience working in the field. You'll get the one-on-one attention and personal support to pick up new skills quickly and the first-hand technical knowledge to feel confident entering the workforce.

Houston Community College, Petroleum Engineering Technology, Global Oil and Gas Drilling Training Center, and Welding Technology

Contact: Morteza Sameei - Director

Email: morteza.sameei@hccs.edu

Website: <http://www.hccs.edu/programs/programs-a-z/petroleum-engineering-technology/>

Description: The mission of the Petroleum Engineering Technology program is to provide high quality education and training, which will assist a diverse student body to prepare for career development primarily, lifelong learning, and academic advancement for careers in various fields involving Petroleum Engineering Technology and related applied sciences and engineering technologies.

Houston (continued)

Rice Center for Engineering Leadership

Contact: C. Fred Higgs, III, Ph.D. - Director

Email: higgs@rice.edu

Website: <http://www.rcelconnect.org/aboutrcel/>

Description: At the center of RCEL is the Engineering Leadership Certificate, an accredited academic credential aimed at preparing students for their first leadership role after graduation. The RCEL Certificate Program allows students to learn fundamentals of engineering leadership, practice their leadership skills while participating in engineering-based hands-on activities, give and receive coaching, and critically reflect on their leadership experiences through a series of structured self-assessments.

Rice University MBA: Energy Concentration, Masters of Energy Economics

Contact: Katherine Schieffelin - Assistant Dean, External Relations

Email: Katherine.s.schieffelin@rice.edu

Website: <https://business.rice.edu/academic-program/full-time-mba/concentrations>

Description: The concentration in energy provides commercial acumen and leadership perspective to students who have a technical background and develops their capability for taking additional responsibilities and higher-level management roles at companies in the energy and oil and gas sector. Courses in finance, operations, and product/customer focus are widely regarded as conduits to leadership positions in energy industry midstream and upstream organizations.

Houston (continued)

Rice University, Center for Energy Studies

Contact: Kenneth B. Medlock III - Senior Director

Email: medlock@rice.edu

Website: <http://www.bakerinstitute.org/center-for-energy-studies/>

Description: The Baker Institute's Center for Energy Studies focuses on providing new insights on the role of economics, policy and regulation in the performance of energy markets.

Rice University, Chemical and Biomolecular Engineering Department

Contact: Michael S. Wong - Chair

Email: mswong@rice.edu

Website: <http://chbe.rice.edu/Content.aspx?id=47>

Description: Availability of inexpensive energy has long been identified as a key element for economic prosperity and national security. For decades, the energy industry has been a driver of research on new materials and tools for thermophysical property measurement. The production of hydrocarbons for meeting our energy needs and providing raw materials to the petrochemical industry will continue to be a dominant industry driver for decades to come. However, it is now recognized that production and use of hydrocarbons comes with an environmental cost. Therefore, emissions associated with hydrocarbon use and surface subsidence in areas around reservoirs will continue to be areas of important research.

Houston (continued)

Petroleum Extension, Houston Training Center, University of Texas

Contact: Coy Wilcox - Director

Email: info@petex.utexas.edu

Website: <https://cee.utexas.edu/ce/petex/>

Description: PETEX offers a wide selection of programs and services, developing innovative new products and delivering instruction when and where it's needed around the globe.

University of Houston, Cullen College of Engineering

Contact: Joseph W. Tedesco - Dean

Email: jtedesco@uh.edu

Website: <https://www.egr.uh.edu/our-college/deans-welcome>

Description: Programs include Chemical, Civil, Industrial, Material, Mechanical, Environmental, Petroleum Geosensing Systems, and Subsea Engineering programs.

University of Houston, Global Energy Management

Contact: Praveen Kumar, Ph.D. - Department Chairperson

Email: pkumar@uh.edu

Website: <http://www.bauer.uh.edu/departments/finance/global-energy/>

Description: Energy is the largest industry in the world and commands a diverse spectrum of operations. Energy companies need leaders whose primary expertise lies in a great many fields of study, but the common denominator is always business.

Houston (continued)

University of Houston Energy

Contact: Phillip Jefferson , PE, CSP - Chair of the Energy Coalition

Email: pjjefferson@uh.edu

Website: <http://www.uh.edu/uh-energy/about-uh-energy/energy-coalition/>

Description: The Energy Coalition brings together university organizations related to the energy industry into a single partnership. Currently there are 18 member organizations in the coalition.

UH, Environment, Energy & Natural Resource Law

Contact: Marcilynn A. Burke - Associate Dean

Email: mburke@central.uh.edu

Website: <http://www.law.uh.edu/eenrcenter/course-description.asp>

Description: The Center for Environment, Energy and Natural Resources links energy issues with impacts on environment and natural resources. Building on the academic excellence of the faculty in these areas and the complex and multi-faceted energy and environmental issues in Houston, the Center provides a forum for education and discussion of the most important issues of the day, such as climate change, air pollution, clean coal and renewable energy.