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## ACADEMIC OPENINGS

### PROFESSOR AND CHAIR, VIRGINIA COMMONWEALTH UNIVERSITY, DEPARTMENT OF CHEMICAL ENGINEERING

Virginia Commonwealth University invites applications for the position of Professor and Chair of Chemical Engineering. VCU is a Carnegie Doctoral/Research University-Extensive offering over 162 baccalaureate, master's, doctoral, professional, and certificate degree programs to over 26,000 students. VCU is also home to the VCU Medical Center which includes the nation's fourth largest university-based medical school and hospital. Chemical Engineering, one of six programs of study offered by the VCU School of Engineering, currently has six faculty and more than \$3 million in annual external research funding in the areas of Tissue Engineering, Metabolic Engineering, Directed Evolution, Green Engineering, Materials Science, Biochips, Catalysis, and Supercritical Fluid Technology. All research areas of interest to candidates will be considered but those areas having clear potential for synergistic collaboration with medical and life sciences researchers are most desirable.

The VCU School of Engineering was established in the fall of 1996 and moved into its own 147,000 square feet building in 1999. Chemical Engineering's first undergraduate class matriculated in May 2000 and the program was accredited by ABET in 2001. A graduate program offering MS and PhD degrees was initiated in the fall of 2001. The School of Engineering currently enrolls more than 1300 students and will nearly double in size over the next five years. Planning for a second building for the school was started in 2002.

Candidates for this position must be eligible for employment in the United States and indicate their citizenship or visa status. A PhD in Chemical Engineering or closely related field is required. The Chair's responsibilities include direction of and contribution to the undergraduate and graduate teaching mission of the program, promoting the continued growth of the faculty's research and outreach efforts, balancing the teaching, research, and service commitments of the faculty, and facilitating research opportunities for the faculty with government and industrial

sources. The Chair also manages departmental expenditures, supervises implementation of continual improvement protocols needed to maintain ABET accreditation, and works with University and School of Engineering administrators to develop recruiting strategies. Applicants should submit a statement of their teaching and research interests, curriculum vitae, and the contact information of at least four references to Professor Mohamed Gad-el-Hak, Chair of the Search Committee, Virginia Commonwealth University, P. O. Box 843015, Richmond, VA 23284-3015. Review of applications will continue until the position is filled.

VCU is an Equal-Opportunity Affirmative Action Employer. Women, minorities, and persons with disabilities are strongly encouraged to apply. Additional information about the University, the VCU School of Engineering, and the Chemical Engineering Program can be found at [www.egr.vcu.edu](http://www.egr.vcu.edu).



### HEAD, DEPARTMENT OF ENERGY AND GEO-ENVIRONMENTAL ENGINEERING

The Department of Energy and Geo-Environmental Engineering at The Pennsylvania State University invites nominations and applications for Department Head. The Department seeks a dynamic and innovative leader who is dedicated to excellence in research and education. The successful candidate should have a broad vision for the Department and be committed to maintaining strength and cohesiveness of all of its programmatic areas. This candidate is expected to contribute to College-wide initiatives to enhance the focus on students and to increase the diversity of our faculty. The candidate should demonstrate an exceptional record of scholarship and be qualified for appointment with tenure. Previous administrative and management experience is highly desirable. Women and members of under-represented groups are encouraged to apply.

The Department is nationally recognized for its research in the areas of energy, mineral resources, and environmental science and engineering. The Department has 30 faculty members, 80 graduate students, and 150 undergraduate students. Sponsored research expenditures were over \$10M in the last academic year. A wide spectrum of graduate and undergraduate degree programs cover the whole life cycle of energy and mineral resources. These programs include Fuel Science, Geo-Environmental Engineering, Mineral Processing, Oil and Gas Engineering Management and professionally accredited programs in Environmental Systems Engineering, Industrial Health and Safety, Mining Engineering and Petroleum and Natural Gas Engineering. The Department is also actively involved in teaching general science education courses on energy, resources, and environment to non-science majors. Additional information about the Department and the closely associated Energy Institute can be found at the following web sites: [www.ceee.psu.edu](http://www.ceee.psu.edu) and [www.energy.psu.edu](http://www.energy.psu.edu).

Review of applications will begin March 1, 2004 and continue until suitable candidates are identified. Nominations and applications including the names and contact information of at least three references should be submitted to Professor Timothy J. Bralower, Chair, Department Head Search Committee, Pennsylvania State University, P.O. # D-16964, 503B Deike Bldg., University Park, PA 16802, [bralower@geos.c.psu.edu](mailto:bralower@geos.c.psu.edu).

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

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## DEPARTMENT OF CHEMICAL ENGINEERING

### TENURE-TRACK FACULTY POSITION

We invite applications for a tenure-track faculty position at the Assistant or Associate Professor level, in the areas of either water and wastewater treatment, or polymer and processing engineering, subject to budgetary approval. Applications will also be accepted from outstanding candidates in any field of chemical engineering.

Candidates must have a PhD in Chemical Engineering or a related field, a baccalaureate degree in Chemical Engineering, and a strong commitment to teaching and research, with the ability to establish or maintain a dynamic research program in their fields of expertise. Industrial experience will be a definite asset, and P.Eng. registration, or eligibility and commitment to register as a professional engineer, is a necessary condition for appointment. The level of appointment and salary will be commensurate with the qualifications of the candidate. The Department of Chemical Engineering, 3rd largest in Ontario, currently has 10 full-time faculty and approximately 220 undergraduate students pursuing Bachelor of Engineering degrees. The Department has undergone considerable expansion and development of research and graduate studies. Over 45 students have been enrolled in M.A.Sc. and M.Eng. graduate programs in Chemical Engineering. A PhD program is planned to commence in 2004/2005. Department faculty members are engaged in a variety of research areas, including air pollution and control, food waste treatment, water and wastewater treatment, process modelling and simulation, particle system technologies, products and process engineering, surface and interfacial science, polymer reaction and polymer science engineering. Increasing emphasis is being placed on collaborative research and partnerships with industry.

Applicants should send a complete resume that includes a detailed list of publications in the last seven years, professional experience, the names of three references, and a statement of research and teaching interests, to: Department of Chemical Engineering, Ryerson University, 350 Victoria Street, Toronto, Ontario, Canada, M5B 2K3. E-mail: chemeng@ryerson.ca. Appraisal of applications will commence by February 1, 2004, and continue until the position is filled.

Ryerson University has an employment equity program and encourages applications from all qualified individuals, including Aboriginal peoples, persons with disabilities, members of visible minorities and women. Members of designated groups are encouraged to self-identify. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

### FACULTY POSITION IN CHEMICAL ENGINEERING, J.B. SPEED SCHOOL OF ENGINEERING, UNIVERSITY OF LOUISVILLE

Applications are invited for a tenure track junior faculty position in the Chemical Engineering Department. The successful candidate will teach undergraduate and graduate courses in chemical engineering and will be expected to develop a nationally-recognized, externally funded research program. Preferred research areas are materials and biotechnology; however, exceptional candidates in other research areas will be considered. Candidates should have a bachelor's degree in Chemical Engineering and an earned doctorate, preferably in Chemical Engineering. Opportunities exist for collaboration in bioengineering, materials processing, microelectronics, nanotechnology and surface science at state-of-the-art research facilities in the Speed School and at the UofL Medical Center.

Applications will be considered upon receipt and until the position is filled. Send a curriculum vitae, contact information for at least three references, and a brief statement of research and teaching interests – preferably by e-mail – to: Faculty Search Committee, c/o P. Lumley, Chemical Engineering Department, University of Louisville, Louisville, Kentucky 40292, e-mail PLLUML01@Louisville.edu. For additional information on Chemical Engineering at UofL see [www.Louisville.edu/speed/chemical](http://www.Louisville.edu/speed/chemical) or contact the Search Committee Chair at [Jim.Watters@Louisville.edu](mailto:Jim.Watters@Louisville.edu).

Minority and female candidates are encouraged to apply. The University of Louisville is an equal opportunity, affirmative action employer.

### THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE KATHOLIEKE UNIVERSITEIT LEUVEN (BELGIUM) invites applications for a tenured or tenure-track faculty position.

The candidate should have a PhD in chemical engineering and research expertise in the area of separation technology/membrane processes both fundamental and applied to the areas of environmental technology and process intensification. Research competence should be substantiated with a sufficient number of high quality papers in international journals. The candidate should also have outstanding teaching qualities, as he/she will be expected to teach courses in his/her area of expertise and from the core curriculum of chemical engineering and related curricula. After a transition period the candidate will be expected to teach in Dutch.

The position can be filled at any level between assistant professor ("docent") and full professor, depending on the track record of the candidate. Applications can be directed to the Chairman, Chemical Engineering Department, K.U.Leuven, W. de Croylaan 46, B – 3001 Leuven, Belgium. For further information, please consult the website [www.kuleuven.ac.be](http://www.kuleuven.ac.be) and check Career Opportunities on the home page.

### CHEMICAL AND BIOLOGICAL ENGINEERING-ASSISTANT PROFESSOR

The University of Missouri- Rolla, Department of Chemical and Biological Engineering, invites applications from outstanding individuals for full-time tenure-track positions at the level of Assistant professor. We anticipate several tenure-track appointments subject to the availability of funds. A B.S. in Chemical Engineering with a doctorate in chemical engineering or related field is required. Applicants with research experience in the area of biotechnology are especially sought, although all qualified candidates will be considered if their area complements existing interdisciplinary strengths of the department/campus. We anticipate the positions to begin September 2004. The successful applicant will be expected to achieve excellence in undergraduate and graduate teaching, and to carry out an active, funded research program. New faculty will have the opportunity to help develop new degree programs in bioengineering.

Applications will be accepted until the position is filled but interviews will begin on approximately April, 2004. For further information, visit our web site at [web.umn.edu/~chemeng/](http://web.umn.edu/~chemeng/). Applicants should send curriculum vitae, description of proposed research, an outline of teaching plans and the names of three references to:

Human Resource Services([hrsinfo@umn.edu](mailto:hrsinfo@umn.edu))  
Reference Number: 31318  
University of Missouri-Rolla  
1202 North Bishop  
1870 Miner Circle  
Rolla, MO 65409-1050

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Females, minorities and persons with disabilities are encouraged to apply

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**THE DEPARTMENT OF CHEMICAL ENGINEERING AT THE FAMU-FSU COLLEGE OF ENGINEERING (The College of Engineering is jointly operated by FLORIDA A & M UNIVERSITY AND FLORIDA STATE UNIVERSITY)** invites applications for one faculty position beginning August, 2004. Although rank is open, the Department is seeking a highly qualified and enthusiastic individual, preferably at the Associate Professor level, with demonstrated experience in building an externally funded research program of international repute. The research area is open, however, candidates who can build upon the existing strengths of the Department and Universities are particularly encouraged to apply. (Please see the Department web page for more details at <http://www.eng.fsu.edu/departments/chemical/index.html>). The individual selected must be strongly committed to developing an outstanding research program and to graduate and undergraduate education.

Salary will be commensurate with qualifications and experience. Candidates must have an earned doctorate in either chemical engineering or a closely related field. Qualified applicants should submit curriculum vitae, a detailed statement of research and teaching interests, and a list of three references, to Dr. Bruce R. Locke, Chair of Faculty Search Committee, Department of Chemical Engineering, FAMU-FSU College of Engineering, 2525 Pottsdamer St., Tallahassee, FL 32310-6046. Applications must be postmarked by March 1, 2004, to receive consideration. *The FAMU-FSU College of Engineering is an AA/EEO employer; applications from members of underrepresented groups are especially encouraged to apply.*

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**WASHINGTON STATE UNIVERSITY (WSU) IS SEEKING**

a highly motivated, visionary leader to direct an anticipated School of Chemical and Bioengineering. The director will integrate established activities in chemical engineering with emerging opportunities in bioengineering. The resulting school will have increased student enrollments, expanded research productivity, greater interactions with government and industry, and visible leadership in the University's strategic plan to build interdisciplinary biotechnology research and education. The successful candidate must have an earned doctorate in a relevant engineering discipline and a demonstrated potential for academic leadership, outstanding oral and written communication skills, and a strong record of peer-refereed publications from funded research. Further, the candidate should have a commitment to undergraduate and graduate education, the ability to interact positively with university administrators and peers, and a record of interactions with industry and government, consistent with the land-grant University's vision of research and education.

The School of Chemical and Bioengineering at WSU will be formed by building upon the strong base in the Chemical Engineering Department and the growing Bioengineering Program. Additional information may be obtained at the following websites: <http://www.che.wsu.edu> and <http://www.bioengineering.wsu.edu>. With a student enrollment of approximately 22,500, WSU is a comprehensive research, land-grant university, ranked in the top 50 public research universities in the nation by U.S. News & World Report. Biotechnology is an area of major strength at WSU, cross-cutting many departments and colleges at the University. The School and its Director are located at the WSU campus in Pullman, Washington, which offers a friendly small-town living environment about 75 miles south of Spokane.

Interested candidates should send a curriculum vitae, a letter of introduction summarizing the candidate's capabilities and vision, and the names, addresses, telephone numbers, and email addresses of three references who can speak to the candidate's abilities. Inquiries may be directed to [research@wsu.edu](mailto:research@wsu.edu), and application materials should be sent to: James N. Petersen, Vice Provost for Research, Chair of Chemical and Bioengineering Director Search Committee, Office of the Vice Provost for Research, P.O. Box 641033, Pullman, WA 99164-1033. Screening of applicants will begin January 20, 2004, and continue until the position is filled.

Washington State University is an EO/AA educator and employer. Members of ethnic minorities, women, Vietnam-era or disabled veterans, persons of disability and/or persons age 40 and over are encouraged to apply.

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**THE SCHOOL OF PACKAGING AT MICHIGAN STATE UNIVERSITY**

invites applications and nominations for the position of Director of the School of Packaging. The Director's main responsibility is to maintain a creative and productive environment for the faculty, support staff, and students. S/he is the chief representative of the School with authority and responsibility for making administrative decisions and balancing program priorities. The Director is the primary advocate for the School, who reports to the Dean of the College of Agriculture and Natural Resources and regularly interacts with an elected departmental Advisory Committee, other standing and ad hoc committees, and with individual faculty and staff for the purpose of making administrative decisions.

A more detailed position description can be viewed at [www.pkg.msu.edu](http://www.pkg.msu.edu). Applications and nominations for the position will be received until March 1, 2004 or until a suitable candidate is identified. Women and minorities are encouraged to apply. Send inquiries and/or applications to the address below. Include a cover letter stating your interest in applying for the posi-

tion, three letters of references, and a curriculum vitae. Documents must be submitted electronically and in hard copy to:

Robert von Bernuth, Search Committee Chair  
213 Farrall Hall, Michigan State University, East Lansing, MI 48824  
Phone: 517-432-6379 Fax: 517-432-2892  
vonbern@msu.edu

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**THE CHEMICAL ENGINEERING DEPARTMENT AT THE UNIVERSITY OF FLORIDA** invites applications or nominations for tenure-track faculty positions at the assistant, associate or full professor levels. Candidates must have a Ph.D. in Chemical Engineering or related area. Responsibilities include developing and conducting sponsored and unsponsored research, teaching at the graduate and undergraduate levels, supervising the educational and research programs of graduate students, and participating in departmental, college, and University affairs. The starting salary is negotiable, and the anticipated start date is Fall, 2004. Please send curriculum vitae, detailed research and teaching interests, a list of at least three references, and a selection of reprints and preprints to Chair, Faculty Search Committee, Department of Chemical Engineering, University of Florida, PO Box 116005, Gainesville, FL 32611-6005 or e-mail: dsand@che.ufl.edu. The application deadline is March 15, 2004. If the position(s) have not been filled, a succession of application deadlines will be July 15, 2004, December 15, 2004. The University of Florida is an equal opportunity, affirmative action employer, and women and minorities are strongly encouraged to apply.

**PENN STATE CAPITAL COLLEGE – HARRISBURG CAMPUS**

**QUENTIN BERG UNIVERSITY CHAIR IN ENGINEERING:** A tenure-track senior level position in the School of Science, Engineering & Technology for an individual with an outstanding record in interdisciplinary environmental practice, teaching and research to fill the endowed “**Quentin Berg University Chair in Engineering**” at Capital College effective Fall, 2004 semester. The Penn State Institutes of the Environment provide a major contribution of funds for, and direction to, this position. Candidate must have expertise in one or more areas of sustainable systems engineering, green engineering, pollution prevention and/or industrial ecology. He/she is expected to lead the Capital College environmental initiatives and provide energetic leadership and coordination for green engineering research and teaching activities for the entire University. Teaching responsibilities include: green engineering at the undergraduate level, courses in his/her specialty area at the graduate level, related engineering and environmental courses as required, and developing new courses in appropriate areas. The successful candidate is expected to have an outstanding track record of leadership in green engineering, develop an externally funded research program, and supervise a diverse group of majors, including engineering, science, and business students. A Ph.D. with at least one degree in engineering or a related discipline is required. Potential backgrounds may include environmental, civil, architectural, mechanical, chemical, or electrical engineering with sustainable engineering as the primary research and teaching focus. Additional information for the College, Centers, and Faculty may be found at the Penn State Harrisburg web page and links at [www.hbg.psu.edu/epc](http://www.hbg.psu.edu/epc).

Applicants should submit curriculum vitae, names of three references, and a research and teaching statement immediately to: Berg University Chair Search Committee, c/o Mrs. Dorothy Guy, Director of Human Resources, Penn State Capital College, Box CEP, 777 W. Harrisburg Pike, Middletown, PA 17057-4898. Alternatively, e-mail applications may be directed to Mrs. Dorothy Guy at [djg1@psu.edu](mailto:djg1@psu.edu). **Nominations of individuals are welcome.** Applicant review will begin on March 22, 2004 and



## U.S. Environmental Protection Agency (EPA) Office of Research and Development (ORD)

EPA's Office of Research and Development (ORD) is establishing new Scientific/Technical (ST) Professional National Program Director (NPD) positions. Highly qualified scientific leaders currently engaged in managing or conducting cutting-edge research in the physical, biological, medical or engineering sciences are sought to lead a cross-cutting ORD research program.

Each NPD is responsible for providing high-level scientific leadership and overall coordination of a research program delineated in ORD Multi-Year Plans (MYP, details online at [www.epa.gov/osp/myp.htm](http://www.epa.gov/osp/myp.htm)). Other responsibilities include representing ORD's research efforts inside and outside EPA and recommending changes in program priorities, resource levels and allocations. Each NPD will be responsible for conducting "state of the art" science in support of the research program. The NPD will typically have received honors and awards from major national organizations for his/her accomplishments, and will serve as a recruiting attraction for those seeking to work under his/her inspiration and guidance. Applicants would be expected to possess graduate degrees, significant research experience, and a national or international reputation in their field.

These are four-year term Scientific/Technical (ST) Professional positions with potential for renewal. The NPD may be based in Washington, D.C., Research Triangle Park, North Carolina, or Cincinnati, Ohio. The minimum rate of basic pay for an ST position equals 120 percent of a GS-15 step 1 rate of basic pay.

The incumbent will be responsible for one of the following research programs:

- Air (including Particulate Matter)
- Drinking Water
- Water Quality
- Contaminated Sites/RCRA
- Pesticides and Toxics (including Endocrine Disruptors)
- Sustainability
- Human Health
- Ecological Protection
- Global Impacts (including Mercury)

Applicants should submit a Curricula Vitae and a vision statement for each position of interest to Jayne Ramsey at U.S. EPA/ORD (8101R), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460. For more information, please go to [http://www.epa.gov/ORD/html/jobs\\_ord.htm](http://www.epa.gov/ORD/html/jobs_ord.htm), or you may contact Jayne Ramsey at (202) 564-6736 or [ramsey.jayne@epa.gov](mailto:ramsey.jayne@epa.gov).

U.S. Citizenship Required  
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continue until the position is filled. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

### THE UNIVERSITY OF WESTERN ONTARIO FACULTY OF ENGINEERING DEPARTMENT CHEMICAL AND BIOCHEMICAL ENGINEERING

Applications are invited for two tenure-track (probationary) faculty positions at the Assistant or Associate Professor level in the Department of Chemical and Biochemical Engineering. Exceptional candidates may be considered at Professor level with Tenure. The Department intends to fill the positions with candidates who have research interests in the areas of reaction/reactor engineering (position 1) and emerging areas in Chemical or Biochemical Engineering (nanomaterials, biopolymers, pharmaceuticals) (position 2). Candidates for the above mentioned faculty openings should have a Ph.D. in Chemical Engineering, or a related discipline. Responsibilities include quality teaching at the undergraduate and graduate levels, supervision of graduate students, development of a strong research program, and participation in the normal administrative activities of the Department, Faculty and University. Commitment to, and eligibility for, registration as a Professional Engineer in Ontario is required for this appointment. The deadline for receipt of applications is March 31, 2004, or until the positions are filled. The preferred starting date for the appointment is July 1, 2004 but this is negotiable.

Situated in picturesque, London, Ontario, a city of approximately 340,000 along the banks of the Thames River, The University of Western Ontario is a prominent academic institution that has made a commitment to excel as a research intensive university <http://www.uwo.ca/uwocom/western/about/>. Western Engineering embraces this mission, and is presently undergoing a rapid expansion. Exciting new opportunities are developing within our Faculty, including the addition of a new state-of-the-art building (Thomson Engineering Building). Partnerships with the Faculties of Medicine & Dentistry and affiliated research institutes, Health Sciences and Science exist, and major research facilities such as the internationally renowned Boundary Layer Wind Tunnel Laboratory and the NRC Integrated Manufacturing Technology Institute are easily accessible. There exist many unique opportunities with industry in London and southwestern Ontario, where The University of Western Ontario is the major research and engineering resource.

The Department of Chemical and Biochemical has 17 faculty, 6 staff, and over 76 graduate students enrolled in the MESC and PhD programs. It is one of four Departments in the Faculty of Engineering. The Faculty of Engineering [<http://www.engga.uwo.ca/>], has over 85 faculty and 70 staff members, and a total student body which exceeds 1500 undergraduates and 350 graduate students. Applications, including a curriculum vitae and the names and addresses of three referees, should be sent to:

Sohrab Rohani, Chair  
Department of Chemical and Biochemical Engineering  
Faculty of Engineering  
Thompson Engineering Building  
The University of Western Ontario  
London, Ontario, Canada N6A 5B9  
[rohani@eng.uwo.ca](mailto:rohani@eng.uwo.ca)

Positions are subject to budget approval. Applicants should have fluent writing and verbal communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Western

Ontario is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, aboriginal people and persons with disabilities.

### OVERSEAS TEACHING OPPORTUNITY, HIGHER COLLEGES OF TECHNOLOGY UNITED ARAB EMIRATES FACULTY, CHEMICAL ENGINEERING

The Higher Colleges of Technology is a system of 11 colleges in 6 centres in the United Arab Emirates – one of the most progressive and modern countries in the Middle East. The HCT provides post secondary programs in Business, Education, Engineering, Communication Technology, Information Technology, and Health Sciences. Our Colleges offer career programs through a unique combination of theory, practical training and on the job experience. The language of instruction is English.

The Chemical Engineering Technology program at Abu Dhabi Men's College prepares students for positions as Engineering Technologists in sectors of the UAE economy such as oil and gas, power generation, water and electricity, fertilizers, defense, agriculture, health, public and private works and other local industries. Special emphasis is given to laboratory skills, the application of computers to modern chemical engineering practice and the environmental impact of industry. Work experience is an integral component of the program. Technological studies are complemented by a solid grounding in English.

#### Minimum requirements:

- Bachelor's Degree in Chemical Engineering plus postgraduate qualification. Ph.D. would be an advantage.
- Minimum 5 years relevant Industrial or Teaching experience; experience in Oil & Gas / Refinery / Petrochemical / Desalination / Chemical Process Industry; current Knowledge of Chemical Engineering Design Principles and Practices, and / or Laboratory Tech. Practices.
- Good knowledge in software like HYSIM/CHEMSHARE/PIMS; experience in Process Control Systems & Plant Operations; effective presentation and interpersonal skills.

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