

UTC College of Engineering and Computer Science

CRANSTON PEARCE CENTER

● ● ● ● ● ● for Applied Engineering and Technology

EMCS, Room 235, Dept. 2402, 615 McCallie Ave, Chattanooga, TN 37403-2598 • (423) 521-2537 phone • (423) 425-5229 fax



The purpose of the Cranston Pearce Center for Applied Engineering and Technology is to provide management and technology services to public and private organizations locally and regionally. This support may be in the form of general advice, analysis, testing, training, or basic research. Projects may be small-scale or large-scale and will be performed under contractual agreement.

Mission

The mission of the Cranston Pearce Center for Applied Engineering and Technology is to link the assets of the university with regional companies and institutions to solve problems, improve operating efficiencies, and help provide improved products and services to the customers of our clients.

Founder's Message

Consistent with Chattanooga's heritage as a highly diversified manufacturing and transportation hub, the Center's early activities focused upon providing training and development for engineers and managers in the power generation, manufacturing and transportation sectors. Also, support services in facilities planning, engineering design and development, and marketing were provided by faculty, students, and affiliates of the center, to both public and private organizations throughout the region

Dr. Ronald B. Cox founded the Cranston Pearce Center for Applied Engineering and Technology in the 1980's. The Center was funded by the Tonya Foundation and was named in honor of Mr. Cranston Pearce, former Executive Vice President of the American National Bank in Chattanooga, Tennessee.

Today, the Center continues its activity in the broad application of engineering, business, and computer science services to regional companies. The highly skilled and experienced faculty, students, and affiliates of the Center are able to provide support at entry level positions as well as at the most senior executive levels.

"Please let us see how we might assist you and your company in serving your customers and in working with you to develop a more competitive position for your organization."



*Dr. Ronald B. Cox, PhD, MBA, PE
Burkett Miller Chair of Excellence
in Management and Technology*



Mr. Jan Evans, Director

Director's Message

The Cranston Pearce Center can serve its clients in a powerful and comprehensive manner by drawing upon the talents of faculty, students, and associates in many disciplines.

Services are provided on a contracted basis, either short-term or long-term. Such activity may be in the form of training, research and development, operational support, testing, report preparation, marketing, or organization development.

Applied Research/Special Projects

Projects are contracted under the supervision of the director of the center and may involve direct services of the director, faculty, students, and associates of the center (individuals hired for project-specific tasks who are neither faculty nor students at the university). Although projects will most commonly be related to engineering and engineering management, other specialty areas such as construction, safety, computer science, economics, marketing, mathematics, chemistry, and biology will be drawn upon as needed.

The overall activity of the center is expected to lead to an understanding by regional employers and agencies that the center is a valuable resource that will partner with them in solving problems, training personnel, and producing improved products and services. Additionally, the Center will provide an avenue of relevant activity in which students and faculty may support important regional, technological growth.



Opportunities

The center specifically uses the word “applied” in its name. This means that it wishes to involve itself in real-world, everyday problems and challenges. Yes, research issues can be undertaken also; however, the center does do “applied” work and wishes to do so. By virtue of having faculty members and associates who have practical engineering experience, management experience, and research experience, there are numerous tasks that may be undertaken to meet your expressed needs in a competent and timely manner.

The center provides its customers:

1. Having easy access to a highly competent resource in Chattanooga
2. Having the center manage the recruiting, selection, and general oversight (payroll, etc.) of personnel needed for any particular task
3. Having the flexibility to define either short term or long term tasks to be undertaken by the center
4. Having the flexibility to staff a project with students, faculty, and associates, or some combination of each
5. Having individuals work either on-site or off-site as the task demands
6. Having the opportunity to observe individuals (students) on-the-job and, thereby, be in good position to make offers for full-time employment to preferred persons
7. Cultivating an even stronger working relationship/partnership with the university

Some of the areas of expertise that the center provides includes (but is not limited to):

1. Energy audits and conservation studies
2. Load forecasting
3. Product quality assessments
4. Work-flow planning
5. Materials analysis and selection
6. Process analysis
7. Compilation of test data and preparation of reports
8. Economic evaluations for operations alternatives
9. Viability of environmental measures
10. Maintenance evaluations and economic assessments
11. Various supporting activities related to coal, oil, gas, hydro, nuclear, or alternative energy power production
12. Training of personnel at various operational levels (plant operators, engineers, managers, and senior managers)

Special requirements should be discussed with the director of the Cranston Pearce Center, Professor Jan Evans, to assure that specific requests can be handled satisfactorily.

Please note that the university is an Equal Opportunity employer that complies with all applicable laws and regulations regarding equal employment opportunities.

Faculty and Staff



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