

CBU Packaging Lab

CBU packaging programs and activities are supported by well-equipped ISTA certified packaging lab equipment including drop tester, vibration table, shock machine, compression machine, tensile tester, temperature/humidity chamber, altitude chamber, sample table, Mullin burst tester, edge crush tester, rheometer, modulated differential scanning calorimeter, and thermoforming machine.



These programs/activities are also supported by other packaging-related equipment from other engineering labs at CBU including a 3D printer, injection molding machine, CNC vertical machine, CNC lathe.

Other Supporting Programs

The CBU packaging programs are supported by excellent engineering programs at CBU including chemical/biochemical, civil/environmental, electrical/computer, mechanical engineering, and a graduate program in engineering management. Students in packaging programs also benefit from courses offered by the other three schools at CBU: School of Arts, School of Business, and School of Sciences.

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more info

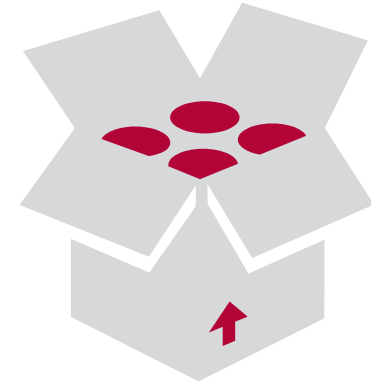
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www.cbu.edu/engineering/packaging

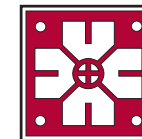
 Christian Brothers University

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think
inside
the box.



packaging@



Christian
Brothers
University



PACKAGING is an interdisciplinary field, in which scientific and engineering principles are applied to develop and produce packages that contain, protect and preserve, transport, inform, and market products. It includes the study of products, packages, materials, containers, structures, methods, machinery, and transportation. It also involves such disciplines as chemistry, physics, material science, mechanics, machine design, industrial engineering, electronics, material handling, business/management, and other specialized skills.



Packaging @ CBU

Christian Brothers University has offered many packaging-related programs and activities since 2002. They are:

High School Level:

CBU has offered packaging related programs/activities for high school students including egg drop/impact competition, balsa crate contest, after-school workshop, and summer program. The goal of these programs is to introduce packaging and its career opportunities to high school students. Programs vary from year to year.

push the envelope.

Undergraduate Level:

Packaging programs at the undergraduate level include a Packaging Engineering Certificate and a B.S. in Engineering Management with Packaging Concentration.

PACKAGING ENGINEERING CERTIFICATE: This program is designed for engineering students and practicing engineers who would like to acquire a packaging background so they can better design their products by taking into account of packaging requirements. The program consists of six credits of packaging courses, three credits of an elective in material-related areas, and a minimum of two credits on a packaging-related project. Prerequisites include a college-level chemistry course and a college-level calculus course.

B.S. IN ENGINEERING MANAGEMENT (Packaging Concentration): This program is designed for those who would like to develop business skills with a packaging background so they can market packaging-related products/equipment/services. The program consists of courses in liberal arts, math/science, business, engineering, and those required in a Packaging Engineering Certificate. Graduates will receive a Packaging Engineering Certificate in addition to a B.S. in Engineering Management degree.

Graduate Level:

CBU offers a M.S. in Engineering Management with a Packaging Concentration. The program is designed for those who have already had an undergraduate degree and are moving up to assume managerial responsibilities in their packaging-related company.

The program consists of 24 credits of core engineering management courses and 9 credits of packaging courses.

Graduates will receive a packaging graduate certificate in addition to an M.S. in Engineering Management degree. This is an online program.



Continuing Education:

CBU regularly offers non-credit workshops, short courses, and seminars to packaging professionals. Topics vary from year to year depending on interest from packaging professionals.

R & D and Lab Projects:

With state-of-the-art packaging lab equipment, CBU has performed R & D work as well as packaging testing for various companies.