



## BeAM Makerspace Network Overview

BeAM@CAROLINA is a network of makerspaces where any UNC student, staff, or faculty member can join the UNC maker community in the design and creation of physical objects for education, research, entrepreneurship, and recreation. Makers can participate in open studios, training sessions, workshops, hosted classes, and group activities. Spaces are equipped with emerging technologies like 3D printing and laser cutting, along with areas dedicated to sewing, woodworking, and metalworking. Since its launch, BeAM has served more than 150 undergraduate courses across the university that integrated making into curricular goals and served over 10,500 unique users through robust workshops and co-curricular offerings. Makerspaces have hosted over 75,500 visits since the fall of 2017, providing over 19,000 trainings during that time.

BeAM is staffed by five permanent positions, including the BeAM Director (Kenny Langley) and the BeAM Education Program Manager (Anna Engelke). The BeAM staff have expertise in design, fabrication, and education. They work closely with UNC faculty to help faculty integrate making into UNC courses, with researchers to support their experimental needs, and with entrepreneurs to enhance their prototyping options. The permanent staff supervise a larger set of more than 50 student staff who conduct the daily operations of the makerspaces.

The BeAM makerspace network at the University of North Carolina Chapel Hill consists of three facilities that supply collaborative space, equipment for digital fabrication (3D printing, laser cutting, vinyl cutting) electronics, textiles, wood working, and metal fabrication and machining. Our goal is to empower a community of makers from across the campus, serving learning in courses and informal settings, research through advanced workshops and research networking, entrepreneurship through the support of UNC affiliated companies, and outreach to the local community. We have over 7,000 sq. ft. of space staffed by professional technical staff, serving the entire UNC community. Altogether, these spaces represent an investment by UNC of over \$1.5 Million.