

Section 1: College Information

College Name: Chabot College
Address: 25555 Hesperian Blvd
Address:
City: Hayward
State: CA
Zip: 94545
Main Tel: 510-723-6652
Web: www.chabotcollege.edu/

Camp Program's Main Contact Person

Name & Title: Tom Clark
E-mail: tclark@chabotcollege.edu
Direct: 510-723-6652
Mobile:

Person Completing Grant Application (if different from above)

Name & Title:
E-mail:
Direct:
Alternate Phone:

In 100 words or less, describe your college's current manufacturing programs, staffing, and other applicable manufacturing-related program activities: Chabot College has a Machine Technology Department and possible related to this proposal, a Welding and Electronics Systems Departments. Each of these departments has extensive curriculum, staffing, and equipment and offers Certificates and Degrees that are industry driven to offer skill training for job entry and career advancement. / The Machine program has a "manual" lab and an Advance Design and CNC Manufacturing Lab. Local industry recruits our graduates. / /

LIST manufacturing equipment available for use by NBT camp program. If none, please indicate: Manufacturing equipment is state-of-the-art and in sufficient quantities to support our normal class sizes of 24 students. All of this equipment will be available for the NBT camp program.

In 100 words or less, describe your college's entrepreneurship programs, curricula, and staffing: Entrepreneurship Program: / Chabot College is one of the first Community Colleges in California to have Certificates in Entrepreneurship and is currently making application for an approved degree. Full and part-time faculty bring real world projects into the class room and challenge students with basic understanding of the entrepreneurial approaches through "making a pitch" with a project of their own design. / <http://www.chabotcollege.edu/entr/> /

Does the college have a computer lab available to accommodate at least 15 students?
Yes

SolidWorks, can provide 120-day licenses for Student Design CAD software packages. Will your college need to request this software? No

Section 2: Grant Request

Type of request: Program Start Up

Heard about this grant: Other:

Other: email from participant

Section 3: Proposed Camp Program

Proposed camp name, if known: "Discover the magic career field of Manufacturing at Chabot College"

Camp's primary location

Place: Chabot College

City: Hayward

State: CA

Length of camp program: 1 week

Estimate number of hours per day: 2, 4-day weeks at 6 hours each day. 48 hours total

Number of weeks the camp program is scheduled: 2 week

Estimate the maximum number of camp program participants the college can adequately accommodate: 12-15 campers

What is the age range of camp participants? 12, 13, 14 years old

What tuition fee will be charged to camp participants? 125

LIST three primary goals for the proposed summer camp program:

Introduce Manufacturing and Entrepreneurship Concepts and Skills, Build an awareness of the manufacturing industry and its career opportunities, Impart a zeal and appreciation for manufacturing

With what community partner(s) and/or local manufacturing companies will you collaborate?

BRIEFLY describe each business.

FMC Industries, HAAS, NTMA, California Tooling and Machining Apprenticeship Association

What additional funding will be received or pursued? Local industry, Collaborative SB70 Grant, Perkins

What manufacturing processes will be introduced to participants?

Bending, CAD/CAM, cutting, drilling, finishing, machining, punching, shearing, welding

What hands-on project(s) will you incorporate into the camp program?

Thumb Treadle (picture can be provided). Teaches basic design, measurement, machining. Finished product moves and visual demonstrates basic "engine" principles of enertia and translating linear motion to rotation. Has good student motivation

What local manufacturing companies will be toured?

FM Industries, Electro Plating Specialists, Ferret Machine, Hayward

What local entrepreneurs will be invited to camp as mentors or program speakers?

Miguel Colon, SEC Industries, Jan Novak, Entrepreneurship Professor, Chabot College

Manufacturing camps require significant promotion to recruit students. NBT provides marketing materials for this purpose including brochures and posters. Please BRIEFLY describe how the camp program will be promoted.

Using NBT materials we will distribute to active Machine Advisory members, Community Education avenues, and use the marketing avenues of former Chabot Summer Camps that run for a general population

In what ways will you attract and serve youth at the lower socioeconomic level?

This youth is the primary demographic of our students (76% of our vocational students are economically disadvantaged). Our outreach and community connections along with our "service" is geared to this population.

In what ways will your camp dispel the common myths that manufacturing work is dirty, low paying, and primarily men's work?

A powerful tool will be our new advanced design and CAD/CAM facility that is clean and modern. Field trips and lessons will emphasize the potential income and career benefits.

In what ways will youth be encouraged to consider careers in manufacturing?

In what ways will the program inspire youth to become entrepreneurs?

Besides the motivating subjects of the camp, including field trips, campers will be required to demonstrate their knowledge of the requirements, steps, and options to advance in the manufacturing career. They will be able to recognize/understand a manufacturing career plan.

Who will be involved in carrying out the plans outlined in this application? Please LIST individuals and BRIEFLY describe their qualifications:

Tom Clark, Vocational Dean, 25+ years experience / / Ashley Long, Advanced Machining Instructor (also experience with teaching youth)

If necessary, please make additional comments in the space provided:

More information, pictures, web links, if needed or desired

Section 4: Other Requirements

If the college is selected to receive a grant, does it agree to administer NBT online pre- and post- surveys to students?

Yes

If your college is selected to receive a grant, does it agree to provide a full camp evaluation report within 30 days of the close of the last scheduled camp session?

Yes