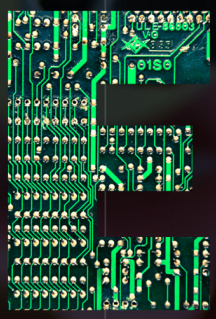
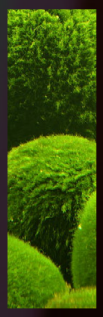
ENGINEERING





PROGRAM

THE UNIVERSITY OF ARIZONA

15 Engineering Disciplines

- AEROSPACE
- ARCHITECTURAL
- BIOMEDICAL
- BIOSYSTEMS
- CHEMICAL
- CIVIL
- ELECTRICAL & COMPUTER
- ENVIRONMENTAL
- INDUSTRIAL
- MANAGEMENT
- MATERIALS
- MECHANICAL
- MINING
- OPTICAL
- SYSTEMS

19
YEARS OF INTERDISCIPLINARY PROJECTS

3,784
PARTICIPATING STUDENTS

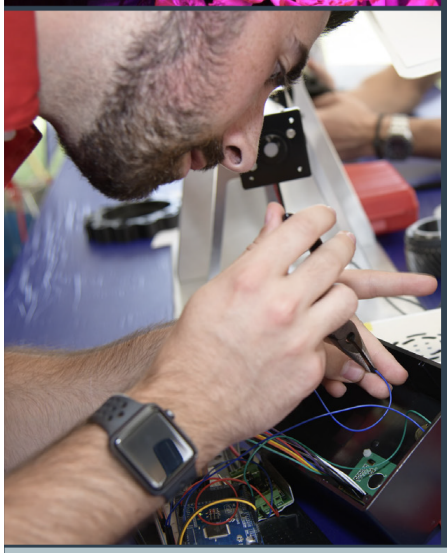
713
DESIGN TEAMS

557
INDUSTRY-SPONSORED PROJECTS

156
UA-SPONSORED PROJECTS

$223,650
IN DESIGN DAY PRIZES

PROTOTYPES
INVENTIONS
MANUFACTURING
ENVIRONMENT
HEALTH CARE
MUNICIPALITIES
INFRASTRUCTURE
NONPROFITS
RESEARCH
TECHNOLOGY
BIOMEDICAL
STARTUPS
DESIGN
SPACE
CONCEPTS
ENERGY
MILITARY
AEROSPACE
AGRICULTURE
WATER
MACHINERY
GOVERNMENT
SOFTWARE
MINING
CORPORATIONS
PATENTS
AUTOMOTIVE
SECURITY



Sponsorship Options

1. Project ($10K)

Partner With a Team That Delivers!

You provide a challenging, open-ended, two-semester design project and a motivated, experienced technical liaison to serve as the team's client.

A UA Engineering professional mentor guides the students through the entire design process. Your technical liaison checks progress throughout the project.

The interdisciplinary student design team delivers a quality product on time and on budget. The intellectual property is yours. You improve your branding on campus.

2. Program Giving ($1K+)

Bigger and Better Every Year

Your one-time contribution or continuing gift helps fund Design Day and offset the Engineering Design Program's general expenses.

3. Prizes ($500-$5K)

Your Award, Your Choice

Support existing Design Day awards for students or establish your own corporate prize to reward excellence in the areas you value.

"We have been able to build on the work these students have done to develop capabilities for our products."

— Ron Rich, VP Propulsion Systems, *Honeywell Aerospace*

How Project Sponsorship Works

Teams

Your company has the opportunity in late summer to introduce its projects to interested students. Then your project is matched with a team of four to six students whose interests and skills align with your specifications.

Phases

- Requirement Definition & Preliminary Design
- Conceptual Design
- Detailed Design & Analysis
- Implementation & Testing
- Final Report & Working Prototype, as applicable

Students and your technical liaison, who conducts a design review at least once each semester onsite or via video conference, communicate regularly.

Outcomes

Recruit top-notch engineering students and develop creative solutions, which:

- Improve health, safety and national security
- Boost cost- and energy-efficiency and worker productivity
- Mine big data and manage big mines
- Strengthen and secure communication networks
- Make faster, lighter and smarter planes, trains, self-driving cars and rockets and more...

> "We recognize that we need to invest in our future workforce. We need to fill certain critical engineering roles, talents and skill sets."
>
> — **Cindy Klingberg**, *Production Operations Manager, Raytheon Missile Systems*

Design Day

In late spring, it all comes together in a full day of presentations and demos – the biggest event of the year for UA Engineering. Students showcase their work to the public and industry judges, competing for high grades and cash prizes.

It is the ultimate proving ground for seniors and a way for employers to see on a grand scale what students, with industry and faculty partners, can achieve.

Thank You, Sponsors!

For more than 19 years, the brightest students at the University of Arizona have collaborated with industry partners and faculty researchers on projects ranging from disposable defibrillators, artificial limbs and surgical aids to UAVs for power line surveillance, bomb detection and firefighting.

> "It set me apart from other job candidates. I proved that I could apply the skills I had learned."
>
> — Erica Isaacs, *Biomedical Engineering, Class of 2013, Design Researcher at Insight Product Development*

CORPORATE, GOVERNMENT AND PRIVATE

II-VI Optical Systems • Advanced Ceramics Research • ACSS - An L3 Communications & Thales Company • The Aerospace Corp. • AGM Container Controls • Airtronics Inc. • Alicat Scientific • Alion Science & Technology • Alternative Vision Corp. • Cliff Andressen • APEX Microtechnology • Areté Associates • Arizona Optical Systems • Arizona School for the Deaf • Arizona Space Grant Consortium • Arizona Technology Council Foundation • Aronstam Limited Family Partnership • Enrique Aviles • Axometrics, Inc. • Ball Aerospace • Bayer • B/E Aerospace • BAE Systems • BCK Consulting • Biovigilant Systems, Inc. • The Bly Family • Boeing • Breault Research Organization • Brethren Systems • The Bristol Family • Bruker Corp. • CAID Industries • CardioSpark • Caterpillar • Christopher J. Downs & Associates • City of Bisbee • CleanCan • Continental Automotive Systems • Control Vision Inc. • CR Bard • Dataforth Corp. • Defiant Technologies • DermSpectra LLC • Edmund Optics • Elbit Systems • Elo Touch Solutions • Energy Materials Corp. • EquiSight LLC • Faxitron Bioptics LLC • FLSmidth Krebs • Frank Broyles Engineering • Gener8 • General Dynamics • General Electric • GEOST • Grand Canyon River Outfitters Association • Hellman Optics LLC • Hexagon Mining • Hewlett-Packard • Honeywell Aerospace • Hydronalix • IBM • Industrial Tool Die & Engineering • Infrared Laboratories • Insight Technology, Inc. • Intel • J David Art • JP Green Energy • KLA Tencor • Lambda Research Corp. • The Langone Family • LASER Classroom • Latitude Engineering • Pete Lauderdale II • Lightsense Technologies • Lincus Energy • Lockheed Martin • Martinrea Automotive Structures • MediaMation Inc. • Meridian Design Inc. • Microsoft • MISOM Technologies • MIT Lincoln Laboratories • The Moore Law Firm • MTEQ Night Vision and Electronic Sensors Directorate • Nano Materials International • NASA • National Science Foundation • Naval Reactors • NEUROMetrix • Nightforce Optics Inc. • Northrop Grumman • NP Photonics • Sharon ONeal • Orbital ATK • PACE Technologies • Paradocs LLC • Paragon 28 • Paragon Space Development Corp. • PayPal • Kristy Pearson • Phoenix Analysis & Design Technologies • Pima College UAV Club • Precision Shooting Equipment • Procter & Gamble • Prototron Circuits • QuakeWrap • Quartus Engineering • Rain Bird Corp. • Raytheon Missile Systems • RBC Sargent Aerospace & Defense • The RealReal • Regenesis • Rincon Research Corp. • Roche Diagnostic Systems • Rockwell Collins • Rosemont Copper • Ruda-Cardinal Inc. • Salt River Project • Securaplane Technologies • Sensintel Inc. • The Sensor Group • Seventh Rank Management • Shamrock Foods • SOLON Corp. • Southwest Gas • Southwest Watershed Research Center • Sundanzer • Sundt Construction Inc. • Sunora Energy Solutions • SunRISE Solar Engineering LLC • Tappetite • Technical Documentation Consultants of Arizona • Texas Instruments • Thorlabs Photonics • TRAX International • Tucson Electric Power • Tucson Embedded Systems • TuSimple • United Rotorcraft • United Way • Universal Avionics • U.S. Department of Agriculture • U.S. Environmental Protection Agency • Vector Space • Ventana Medical Systems • ViaSat Inc. • Vidi VR • Vijilis • VirtualTourist.com • Vistakon • The Western Design Center • W.G. Medical Systems • Wittenstein • W.L. Gore & Associates • Xeridiem

THE UNIVERSITY OF ARIZONA

Aerial Robotics Club • American Institute of Aeronautics & Astronautics Student Chapter • American Society of Mechanical Engineers Student Chapter • Arizona Center for Accelerated Biomedical Innovation • Arizona Center for Aging • Arizona Simulation Technology & Education Center • Advanced Traffic and Logistics Algorithms and Systems Center • Autonomous Underwater Vehicle Club • Biosphere 2 • Center for Gamma-Ray Imaging • CLARITY Project • Electric Vehicle Club • Engineers Without Borders • Interdisciplinary Consortium on Advanced Motion Performance • Laboratory for Advances in Consciousness and Health • Lunar & Planetary Laboratory • McGuire Center for Entrepreneurship • Physicians Surgery Center • School of Animal & Comparative Biomedical Sciences • Society of Automotive Engineers Student Chapter • SAE Baja Car Student Chapter • SAE Formula Car Student Chapter • Soft Tissue Biomechanics Lab • Solar Club AzRISE • Systematic Bioengineering Lab • Tech Parks Arizona • Transportation Research Institute • University Medical Center

Colleges: Agriculture & Life Sciences • Architecture, Planning & Landscaping Architecture • Engineering • Medicine • Optical Sciences

Departments: Agricultural & Resource Economics • Aerospace & Mechanical Engineering • Biosystems Engineering • Biomedical Engineering • Electrical & Computer Engineering • Entomology • Medical Imaging • Materials Science & Engineering • Neurosurgery • Orthopaedic Surgery • Radiation Oncology • Radiology • Systems & Industrial Engineering • Surgery

COLLEGE OF ENGINEERING

Engineering Design Program

Creative Solutions for Real Problems

An Industry-University Partnership

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