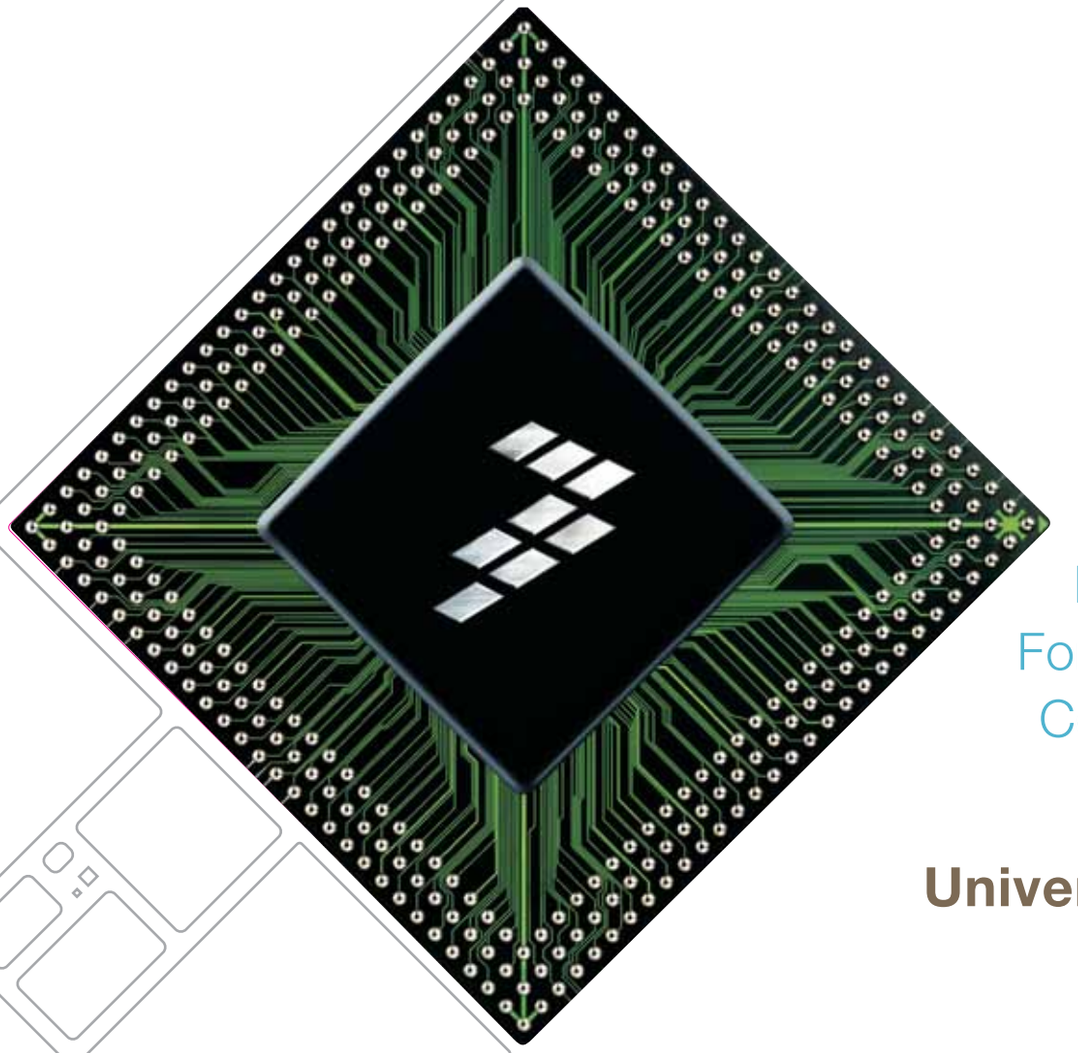
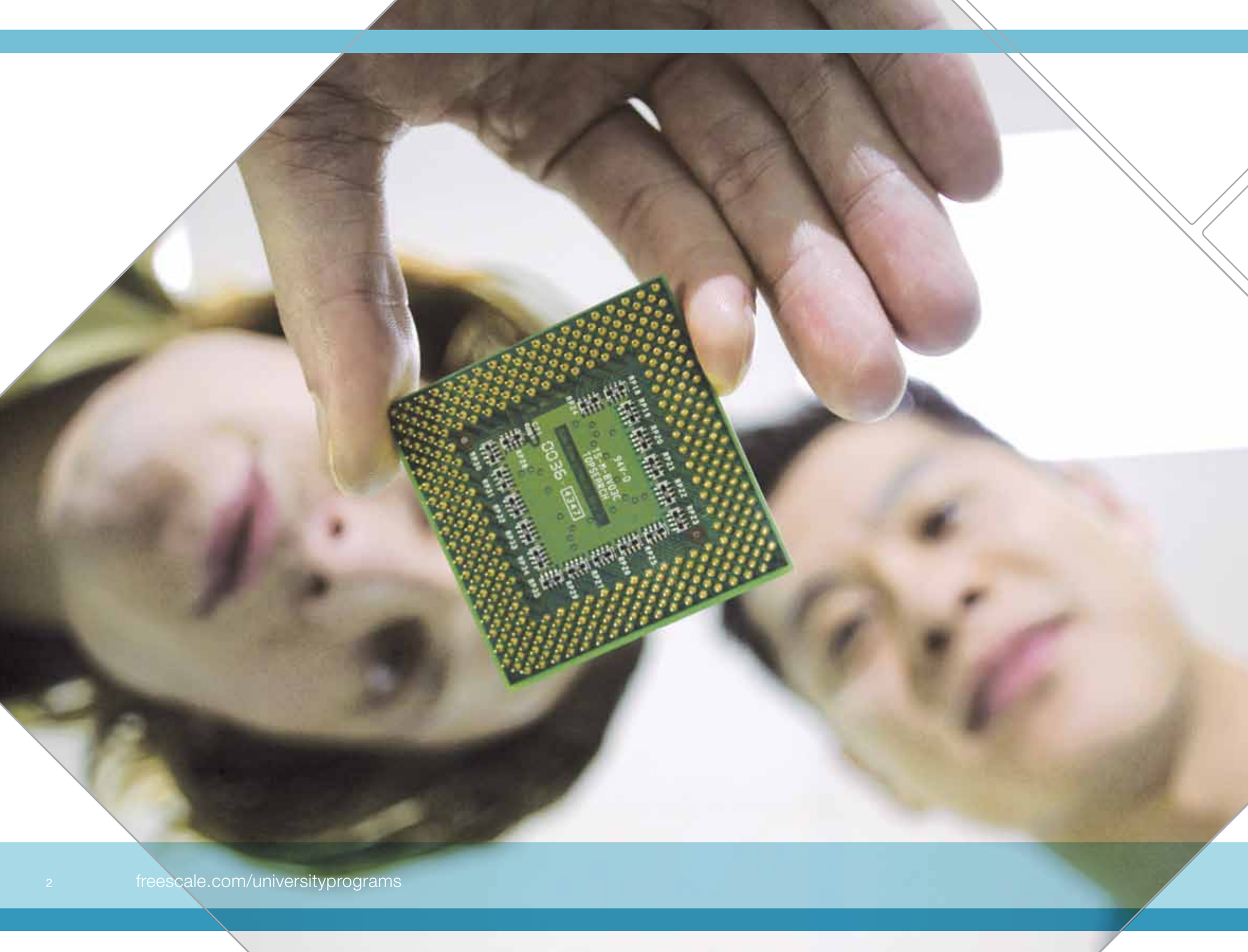


Develop intellect.
Forge partnerships.
Construct careers.

Freescale University Programs

freescale™



Making the world a smarter place.

That's why Freescale partners with universities. After all, where else would you find talent and innovation? Freescale assists universities in growing students' knowledge and experience through many different initiatives. Freescale's University Programs span the globe offering a diverse portfolio of development tools and courseware, opportunities to partner with Freescale, student career programs and research collaboration with consortia in selected universities.

Education

Student Learning Kits

University Courseware and Support

Sponsorships and Partnerships

Careers

Summer Internships

Job Opportunities

Engineering Rotation Program

University Research

Technologies

Research and Development

Compelling Innovations

Student Learning Kits

While Freescale provides its customers with a broad array of microcontrollers and auxiliary devices, Freescale's Student Learning Kits focus on the most appropriate tools for educators and students to use in the classroom, lab or at home. These building blocks of technology innovation range from small application modules with optional expansion project board, to larger, *all-in-one*, feature-packed evaluation boards. All Student Learning Kits include software development tools, cables and documentation to allow the user to get-up-and-go right out of the box.

Project board

Application modules

Evaluation modules

Software development tools


Microcontroller Overview
CPU- The brains, controls all activities
ROM- Read only, stores the program
RAM- Random Access, stores the program variables
I/O - Interfaces to the real world
BUS- Connects all the blocks together
Due Monday
Lab Assignment
Review and complete lab #1
on freescale.com\universityprogram
Use the PBMCUSLK to complete

University Courseware

Complementing the Student Learning Kits is our University Courseware. The courseware offerings include a series of lab modules that educators can use when teaching microcontrollers. The lab modules take an inquiry-based approach to teaching, integrating the traditional topics taught in microcontroller courses with softer skills, such as exploration, collaboration and communication. In addition, there are a variety of lab modules to select from that will align best with your classroom curriculum.

There is also a Web-based repository of shared courseware and projects where we encourage educators and students to share their teaching and learning successes with others in the university community.

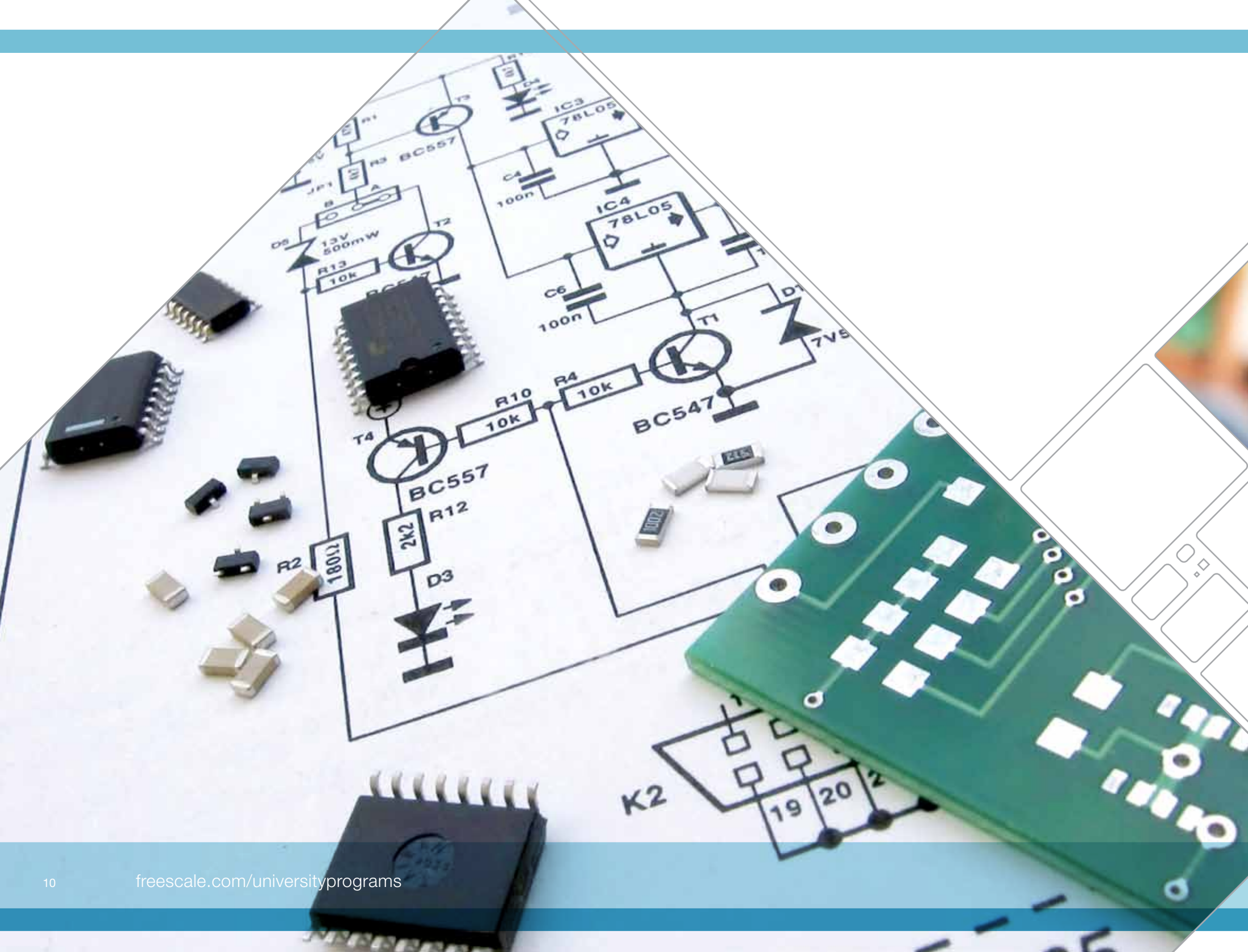
- Lab modules
- Teacher notes
- Teacher labs
- Project abstracts
- Student projects

Sponsorships and Partnerships

Freescale prides itself in building relationships with universities and their students. Sponsored *Freescale Teaching Labs* offer universities the opportunity to keep technology current in their courses. These labs also provide a perfect venue for training local industry customers, educators and students, bridging relationships and building awareness for students to become part of tomorrow's workforce.

For students, getting sponsorship for senior or capstone projects has never been easier. Students simply fill out a sponsorship form on our University Web site and predicated on approval, our development tools, technical support and mentoring is available.

- Dedicated Freescale Teaching Labs
- Sponsorship of student projects
- Maintain current technologies
- Collaboration between educators, students and the industry
- Mentoring


IC3
78L05
IC4
78L05
BC557
BC547
R10
10k
R4
10k
R12
2k2
R2
180Ω
D3
T4
T1
T2
T3
C4
100n
C6
100n
R13
10k
13V
500mW
K2
19
20

Support

Freescale's University Programs Web site provides access to interactive training, development tools, printed documentation, device samples, technical support and an easy-to-use online ordering system. Also, if additional support is needed, the Freescale University Program team is ready to provide fast and efficient assistance.

Technical Learning Center

Literature Distribution Center

Technical Information Center

Sample Program

Buy Direct

Careers

Freescale is looking for talented students who share our vision. It's not just our ground-breaking innovations that make us a central force in the industry. Or, that we have more than 17 billion semiconductors at work around the world. It's more than 24,000 employees in 30 countries taking part in the adventure and helping Freescale create a smarter, more connected world.

Jobs for Students and Graduates

- Accounting/finance
- Electrical engineering
- Human resources
- Marketing/sales
- Process engineering
- Research and advanced technology
- Software engineering
- Supply chain management

Student Opportunities

Summer Internships: Students work for three months during the summer, gaining experience for when they enter the workforce.

Spring/Fall Co-op Opportunities: Students can choose to work any time of the year, even part-time—typically six months.

Engineering Rotation Program: Our one-year program provides new engineering professionals the opportunity to experience various disciplines. Students can select the engineering specialty that best aligns with their career objectives.

University Research

Freescale engages in joint research with leading universities around the world to generate future semiconductor technologies and embedded solutions for cars, mobile phones, networks and more. In addition to achieving breakthrough innovations, these collaborations provide researchers and students with a rich experience and first-hand knowledge that comes from working closely with a technology leader in the industry. The University Research programs also serve as a primary resource for Freescale's graduate hiring process.

Research Areas for Students and Graduates

- Applications domain
- Circuit design
- CMOS devices
- Design methods and tools
- Nano and post-CMOS technologies
- Specialized technologies
- Process and manufacturing technology
- Silicon systems design, architectures and tools

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For more information, visit **freescale.com/universityprograms**