



Los Angeles Unified School District
Facilities Services Division



Architecture & Engineering Internship Program

Connecting LAUSD High School Students to Careers in
Architecture, Engineering and Construction

ISEE Architecture & Engineering Program

Mission:

To engage, expose and challenge LAUSD high school youth to explore architecture, engineering and construction as career opportunities by capitalizing on the District's ownership of the nation's largest School Construction and Modernization Program.



Program goals

- Engage students in architecture, engineering and construction industries.
- Provide students the opportunity to gain transferable college-credit while in high school.
- Increase the diversity of students entering the design and building industries.
- Develop sustainable mentorship relationships with students.
- Facilitate student access to college architecture, engineering and construction management academic programs, and to available scholarship opportunities.
- Provide hands-on experience to make students capable and marketable prior to attending college.
- Connect eligible graduates of the high school internship program to the LAUSD Construction Management Intern Program.

iSEE Program 2008

ISEE Program Statistics

- **95 students actively participated in the iSEE Program**
 - **58 males (61%) and 37 females (39%)**
 - **54 juniors (56%), 36 seniors (37%) and 4 sophomores (3%)**
 - **These students represented 26 high schools in LAUSD and 21 cities including LA**

- **70 students successfully completed the college course**
 - **42 males (60%), 28 females (40%)**
 - **43 juniors (61%), 24 seniors (34%) and 3 sophomores (4%)**

Program Overview & Timeline

Phase I

- **Introduction to Computer-Aided Design – Course** (January – June 2009)
- **Sustainable Design – Revit – Course** (January – June 2009)
 - Orientation (Saturday, January 10, 2009)
- **Student Orientation to Industry—Monthly Meetings** (February-June 2009)
 - Saturday Seminar Sessions 1-5 (9:00 am – 1:00 pm)

Phase II

- **Summer Internship Program** (July-August 2009)
 - Part-time and Full-time internships
 - Salary: \$8.00 to \$10.00 per hour
 - Students must successfully complete Phase I to participate
- **Intern Recognition Luncheon** (July 2009)
- **Eligibility Criteria**
 - LAUSD High School Juniors & Seniors
 - Recent LAUSD High School Dropout
 - Submit iSEE Application & LATTC Applications
 - Submit Parent Permission Slip



Program Outreach Materials

LAUSD Facilities Services Division
Los Angeles Unified School District



**Attention Juniors & Seniors!
Start Building Your Future Today!**



Architecture & Engineering Program Orientation

Find out how you can earn college credit while you learn computer aided design. Connect to careers in architecture, engineering and construction and gain experience through industry internships.

When: Saturday, January 10, 2009
Time: 8:30 AM
Where: Edward Roybal Learning Center Auditorium
1200 Colton Street (Corner of 1st St. and Beaudry Ave.)
Los Angeles, CA 90017

For More Information, Visit: www.LASchools.org



iSEE Architecture & Engineering Internship Program

iSEE students with volunteer architects and engineers during a hands-on design seminar at Los Angeles Trade Technical College.

iSEE Mission Statement

To engage, expose and challenge LAUSD high school youth to explore architecture, engineering and construction as career opportunities by capitalizing on the District's ownership of the nation's largest School Construction and Renovation Program.

iSEE Program Goals

- Provide an engaging learning environment that provides an introduction to architecture, engineering and construction.
- Increase the diversity of students entering the design and building industries.
- Develop sustainable mentorship relationships with students.
- Facilitate student access to college architecture, engineering and construction management academic programs, and to available scholarship opportunities.
- Provide hands-on experiences that makes students capable and marketable prior to attending college.
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iSEE students work together to design a conceptual high school student facility.

Program Materials & Website

Facilities Services Division
Building the Learning Community

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Log In | Register

Students Exploring Excellence



Students rich in ISEE Program

Program Information

Find on this page ...



Connecting LAUSD High School Students to Careers in Architecture, Engineering and Construction

[Click here to download a 2008 ISEE Program Fact Sheet.](#)

[2008 ISEE Architecture & Engineering Internship Program Application](#)

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Goals:

- Provide an engaging learning environment that introduces students to architecture, engineering and construction.
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- Connect eligible graduates of the high school internship program to the LAUSD College Student Construction Management Intern Program.

[Back to Top](#)

Program Overview and Timeline

Phase I: Introduction to Design Software - January - March 2008
The ISEE Program begins with a Computer Aided Design course offered through a partnership with the Los Angeles Trade Technical College (LATTTC). This curriculum will introduce students to computer design software, as well as provide opportunities for hands-on projects. These classes will take place on various Saturdays from January to March 2008. Students will receive college credit for completing this course.

Five class seminars will be held once a month on Saturdays from 9:00 am to 1:00 pm. Each seminar will provide students an introduction to architecture, engineering, construction and construction management. The seminars will prepare students to better understand these disciplines and to fully take advantage of their roles as summer interns with Los Angeles' leading architecture, engineering, and

Students at Architecture Seminar



Students at architecture Seminar

School Construction Site Tour



School Construction Site Tour

Website—www.laschools.org

- Program Information
- iSEE Application
- LACCD Applications
- Links to Colleges & Universities
- Links to Scholarship Information
- Links to Professional Organizations
- Link to Public Transportation

Class Seminar #1—Industry Introduction

(Location to be Announced)

February 28, 2009

- Internship Program Overview
- Course Outline and Schedule
- Internship Contract
- Rules of Conduct
- Design Process / Construction Process
- Structural Engineering Introduction
- Electrical Engineering Introduction
- Mechanical Engineering Introduction



Class Session #2—Architecture & Engineering

(University of Southern California)

March 28, 2009

- History of Architecture
- The Los Angeles Metropolis
- Historical Preservation & Sustainable Design
- Structural Engineering Lab Tour



Class Session #3 - Construction

(Southwest Regional Council of Carpenters Training Site)

April 25, 2009

- Measurement Fundamentals
- Reading Blueprint Drawings
- Hands-on Construction



Class Session #4 -Architecture II & Studio Project

(Location to be Determined)

May 30, 2009

- **Architectural Tour – Los Angeles Area Building of Significance**
- **Studio Project – Final**



Class Session #5—Construction Management

(Location to be Determined)

June 27, 2009

- **Construction Management Introduction**
- **Introduction to Labor Trade Unions**
- **School Construction Site Tour**



Contact Information

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Questions?

