Intellectually curious engineers never stop learning.

LEARN

GROW

Hallam ICS

AN EMPLOYEE OWNED COMPANY

What We Do

SERVICES

Engineering
Controls Integration
Commissioning
Safety Services

CLIENTS

Life Science
Healthcare
Semiconductor
Food & Beverage
Higher Education
Industrial Process

Who We Are

130+ EMPLOYEES

Engineers
Controls Integrators
Instrumentation Technicians
Programmers
Analysts
Corporate Staff

OFFICES

Connecticut
Florida
Massachusetts
New York
North Carolina
Texas
Vermont

Our Focus

Hallam-ICS provides mechanical and electrical engineering services for heating, ventilating, air conditioning, process, power, lighting, and chemical systems.

We also provide controls and automation services for industrial processes and niche safety systems.

Our clients come from the bio-pharmaceutical, food & beverage, chemical and semiconductor industries as well as research labs, hospitals and universities.

Life Beyond 9 to 5

OUR SOCIAL MISSION

Hallam-ICS is committed to being a positive force to improve the lives of our employees and the communities in which we live and work.

EMPLOYEE-OWNERSHIP

With our 100% employee-owned structure, our employees get hands-on control of client success, company profitability, and personal growth.

What it takes to become an ENGINEER

Engineering Disciplines

MECHANICAL

Mechanical engineering is one of the broadest engineering disciplines. Mechanical engineers typically need a bachelor's degree in mechanical engineering or mechanical engineering technology.

ELECTRICAL

Electrical engineers typically need a bachelor's degree in electrical engineering or electrical engineering technology.

CONTROLS & AUTOMATION

Controls engineers typically require a bachelor's degree in electrical engineering or electrical engineering technology. Courses specific to industrial control systems, programming, and CAD are important.

Important Qualities For Engineers

CREATIVITY:	A creative mind is key to designing complex systems.
LISTENING:	You must listen and analyze approaches made by architects, owners, contractors.
SPEAKING:	You must be able to explain complex ideas to clients with less technical knowledge.
WRITING:	You will write reports, assessments, proposals and e-mails.
MATH SKILLS:	You will use calculus, statistics, and other advanced math for design and analysis.
MECHANICAL SKILLS:	You will need to apply engineering concepts and mechanical processes.
CONCENTRATION:	You must be able to keep track of multiple design elements and aspects.
PROBLEM SOLVING:	Engineering is all about problem solving.
INITIATIVE:	You will need to apply knowledge to new tasks and keep up with new technology.
PEOPLE SKILLS:	You will work on projects with others.

Licenses And Registrations

Licensure is not required for entry level engineers. To attain higher levels of leadership and independence, engineers should apply for and take an exam to become a licensed Professional Engineer (PE). A PE can oversee the work of other engineers, stamp and sign off on projects and provide services to the public. Licenses are issued per state and generally require:

A BS DEGREE FROM AN ABET ACCREDITED PROGRAM

PASSING THE FUNDAMENTALS OF ENGINEERING (FE) EXAM

AT LEAST 4 YEARS OF RELEVANT WORK EXPERIENCE

PASSING THE PRINCIPLES & PRACTICE OF ENGINEERING EXAM

Many states require continuing education to maintain licensing. There are additional certifications that can be gained to demonstrate competency in specific areas – you never stop learning in engineering!

Engineering Jobs Outlook

MECHANICAL ENGINEERS SALARY

$53,640	$128,430
Lowest 10%	Highest 10%

Expected employment growth is 5%.

ELECTRICAL ENGINEERS SALARY

$63,430	$151,990
Lowest 10%	Highest 10%

Employment is expected to stay the same.

* US Bureau of Labor Statistics

Wages for both disciplines are dependent on industry and location. Electrical engineer job growth will occur largely in engineering services firms as other companies cut costs by contracting their engineering services rather than employing engineers directly.

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Providing Consulting Engineering since 1981