Chemistry / Engineering – Dual Degree

Engineering technology uses the knowledge of mathematics and natural sciences to create and enhance technologies that benefit humanity. Engineers are problem solvers who search for quicker, better, and less expensive ways to use the forces and materials of nature to meet today's challenges.

Students who wish to combine study in a liberal arts program with further study in an engineering discipline may do so under the Lander University/Clemson University Engineering Dual-Degree Program. Under this cooperative agreement, students spend the first three years of their college career at Lander University in a liberal arts program of study and the remaining two years at Clemson University in the engineering discipline of their choice. Clemson recommends that the prospective student attend summer school at Clemson following the sophomore or junior year at Lander.

Career Titles	Aeronautic Engineer Aerospace Engineer Aircraft Mechanic Aircraft Pilot Aluminum Industry Engineer Appliance Repair Architect ASIC Design Auto Parts Automotive manufacturing eng. Automotive Mechanic Aviation Manager Boiler Inspector Bridge Operator Building Construction Chemical Engineer Chemist Construction Supervisor	Drafting Technician Electrical Engineer Electrician Engineering Assistant Environmental Manager Elevator Inspector Equipment Operator Industrial Hygienist Machines Supervisor Manufacturing Engineer Power Plant operator System Engineer Toxicologist Transportation Engineer X-Ray Technician Quality Control Supervisor Quality Control Engineer
Employment Settings	-Aircraft, guided missiles industries -Business & Engineering firms -Biotechnology research firms - Commercial airlines -Construction Industries -Consulting Firms -Equipment design firms -Foreign Service -Food processing industries -Hospitals & healthcare facilities -Law practices -Land grant universities	-Manufacturers (auto, electronics, defense, food-beverage, machine tools, metal, consumer products, aeronautical/aerospace -Nat'l Aeronautics-Space (NASA) -Oil Companies -Production Industries - -Quality Control industries -Research Laboratories -Research & Development firms -Telecommunications businesses - U. S Department of Defense

ONLINE RESEARCH:

- Lander University, Dual Degree program: http://www.lander.edu/mathcis/program/Engineering_program.html

- American society of civil engineers: http://www.asce.org/asce.cfm
- Careers in Civil Engineering: http://www.asce.org/careers/
- Internships nationwide: http://www.asce.org/careers/internship.cfm
- U.S. Dept of Labor (Civil Engineering): http://www.bls.gov/K12/build05.htm
- Clemson University, Civil Engineering Dept: http://www.clemson.edu/ce/
- Princeton Review, Computer Engineering: http://www.princetonreview.com/college/research/majors/majorbasics.asp?majorid=70

- U.S. Dept of Labor (Computer Engineering): http://www.bls.gov/oco/ocos267.htm
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