Pipefitting Technology

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Lee College pipefitting program is based on the standardized craft curriculum developed by The National Center of Construction Education and Research. This system maintains a national record of each student's educational achievements allowing potential employers to quickly verify an applicant's qualifications.

The Pipefitting Program at Lee College places special emphasis on hands-on training using our three large and completely equipped labs. Blueprint reading and isometric sketching are given special attention as requested by local industries. Threading pipe, socket-weld, and butt-weld pipe fabrication skills and the mathematics needed to layout and build these projects are thoroughly covered.

What Will I Learn?

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What Can I Do with This Course of Study?

Lee College sits at the center of the largest petrochemical complex in the world. New construction of plants, remodeling, and overhauling of existing facilities and the maintenance of these plants is the main source of employment in our immediate industrial area. Pipefitters can expect to progress from entry-level helper to journeyman to supervisors as their knowledge and experience increases. Most area companies have standing calls for pipefitters.

Pipefitters are employed by pipeline construction contractors, maintenance contractors and subcontractors, thermal or steam generating plants, manufacturers, utility companies, oil refineries, gas plants, pulp mills, and chemical plants.

AAS: Pipefitting Technology

Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.

Course	Course Title	Counts Toward Certificate
PFPB 1350 OR WLDG 1323	Plumbing & Pipe Fitting Equipment & Safety (3) OR Welding Safety, Tools & Equipment (3)	PH1 & PF1

PFPB 1408	Basic Pipe Fitting Skills	PH1 & PF1
PFPB 1305	Basic Blueprint Reading for Pipe Fitters	PH1 & PF1
PFPB 2407	Pipe Fabrication & Installation I	PH1 & PF1
PFPB 2310	Intermediate Blueprint Reading for Pipe Fitters	PH1 & PF1
PFPB 2408	Piping Standards & Materials	PF1 & PF2
PFPB 2343	Advanced Pipe Practices	PF1 & PF2
PFPB 2441	Pipe Fabrication & Installation II	PF1 & PF2

Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.

Course	Course Title	Counts Toward Certificate
PFPB 2449	Field Measuring, Sketching & Layout	PF2

Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.

Course	Course Title	Counts Toward Certificate
Communication	Suggested: ENGL1301Optional:ENGL 1302 English Composition II, ENGL 2311	
Mathematics	Required: TECM 1301 Industrial Mathematics	
Mathematics or Life & Physical sciences	Suggested: 1332 Contemporary Mathematics, or Geology 1403 Physical Geology Optional: TECM 1341, Math 1314,1316, 1324, 1332, 1342, 2412, 2413. Biology 1406, 1407, 1408, 1409, 1411, 1413, 2401, 2402, 2404, 2416, Chem. 1405,1411, 1412, 1419, 2423, 2425. Environment 1401, 1402, Geology 1403, 1404, 1405, 1447. Physics 1401, 1402, 1403,	

	1404, 1405, 1407, 1415, 2425, 2426.
Computer skills	Required: Business Computer Applications 1305
Creative Arts / LPC	Suggested: 1301 Art Appreciation or Humanities 1301 Optional: Arts 1311, 1303, 1304. Drama 1310, 2366. Music 1306, 1310. English 2322, 2323, 2326, 2327, 2328, 2331, 2341, 2351. History
Oral Communication	Suggested: 1311 Introduction to Speech Communication Optional Speech 1315, 1318, 1321.
Social / Behavioral Sciences / History Government Political Science	Suggested: Government 2305 Federal Government, or Psychology 2301 Introduction to Psychology, or History 1301 History of the United States to 1877. Optional: Government 2306, History 1302, 2301. Economics 2301, 2302. Geography 1303. Sociology 1301.
Electives (select 2)	Suggested: WLDG 1327 Introduction to Welding Codes WLDG 1337 Intro to Welding Metallurgy WLDG 1428 Intro to Shielded Metal Arc Welding Drafting DRFT 1405 Technical Drafting DRFT 1409 Basic Computer-Aided Drafting DAAC 1304 Pharmacology of Addiction Optional: any course

PF1: Certificate of Completion — Pipefitter

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PFPB 2310	Intermediate Blueprint Reading for Pipe Fitters	PF1
PFPB 2408	Piping Standards & Materials	PF1
PFPB 2343	Advanced Pipe Practices	PF1
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PFPB 2310	Intermediate Blueprint Reading for Pipe Fitters	PH1

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