Nathan Esbeck: IET Program Coordinator

1;00 in iet program teach people some fundamentals of electricity process controls things like relay logic, sensors, motor controls, 1:18

Pneumatics hydraulics robotics, programmable controls (PLC) industrial controls that run machinery in a plant

1:43 – 1:55 fundamentals, how do you align gears belts couplings, shaft alignment, so how to set up a machines how to troubleshoot a machine

2:15 degree is flexible you could end up working in industrial maintenance in a variety of different types of manufacturing that’s where many fo the students will end up 2:26

4 year degree industrial management, industrial technogloy

2:50 have students doing quality control quality engineering production scheduling 259

3:00 prepare you for working in industry where you need that base knowledge of what’s going on in the manufacturing environment 309

318 I typically have more people sending me request to hire studnets than I have graduates to fill requests

357 manufacturing in a bit of a resurgence right now um, in the area around ecc franklin county much higher percentage in generally than st. region

419 because of drop off in man. jobs as man. avg. age in manufacturing people workin in industrial controls industrial maintenance is pretty close too retirement. When I talk to plant manger most of the people in my maintenance department are in their 50s and 60s leave at any time want to bring in new people and upd to date skills, networking and programming skills. Industrial computing and robotics. 510

515 msot of the manufacturing coming back in automated where the cost of labor is less the cost of a product thant it was 20-30 years ago. 523

602 lot of more thinking abnout how integrated systems work how electrical controls and computers and communication systems interact together, figuring out what the problem is not just changing parts 627

629 when you walk into most man. facilities they are generally fairly well lit clean places 640

(pay – 16-17/hour to 29/hour) varies on experience. Students getting a degree working in the field

726 demand is so high hiring people who have good skills and they’re paying for them to go to school and 742

High side – 2 year degree. Higher than most 4 year degree. 50K/year with overtime

840 I think theis field has a lot of to offer someone who wants to use hands use brain get out of the office I think a lot of people discount maintenance position, think not a godo job, but when you look at people doing it, offers opportunity, advancement. People more happy doing something they enjoy they stuck in a job that pays the bills. Challenging job. 942

Mechanical or electoral skills curious how things work, solve problems be a good field where you can make a living

Pharma-Tech Plant Manager. Darren

Pharmacetical manufacturing platn, foot powder, packager for consumables.

People don’t know that its manufacturing. Go to Walmart. Gold Bond topical or foot powders. 16 million bottles of powder/year

2:47 Michelle is a line tech for company in reality its maintenance of the equipment

256 what we were looking for is a student out of school that is local to the area that would be helpful to us as we bring equipment in, the older equipment become obsolete new equipment controlled by electronics that’s what were looking for somebody with mechanical electrical aptitude and program control electronics on equipment 323

344 the program is somewhat of a blend which was really nice I was looking these positions

415 I went to the facilty and saw what they re doing had robotic arms going to grab leanring to program robotics. Loking for someone with creativity in this field, have to solve a problem that’s what I would really like to see 435

457 it does cut down the learning curve lot of that is learned in the classroom not necessarily in the classroom but in workshop they have at East Central. Hands on equipment just like they would here benefit of ECC is local to us 511

515 want to get local people who will stay w/company a long time if we had to go into st. lousi and attract talent may not be able to keep talent because of the distrance 523

628 quite frankly hired two out of east central past year so is demand for jobs other man. sites in the area all looking for the saem skills

647 demand is technology changing, old tech. mechanical. New tech. controls how to control equipment that maintenance is confronted with

726 its not just cleanring or maintaining equipement but making fine tune adjustements in man. process 733

800 Michelle meaintence field, not many females, interviewed well

Michelle Thurman– Pharma Tech. St. Clair

1122 my job at Pharma Tech is as a line technician I go in and do the greasing and lubrication of bearings, checking fo worn bearings.

1128 I watch the line to make sure that the equipment is running smoothly and make adjustements as its running if there is defaults in it. 1135

1143 operator on cnc lathe for 5 years and you had to do there is push a green button and when it stopped you opened the door and got the part out. 1153

1154 I want to know what made the machine do that how did it know when to stop how did it know when to go? 1159

1210 the main thing I like about this job its always challenging always making you think over what could be an issue that’s causing something not to run 100% the way it should 1220

1229 I have to be challenged to do something to use my mind otherwise why do we have one 1236

1356 the instuctors are more one-on one if you have issues they’re there for you. If you’re looking into the it program cause it interests you to begin with 1406

1426 they have more time to spend with you to understand what they’re trying to teach you what the problem you’re having making sure you know what you’re learning 1435

1443 we did a lot of hands on with a lot of different bearings and gears and aligning the different motors basically hands on 1451

1515 I like it here I would like to see where it evolves to there is a lot of change ready to take place in here. 1526

1527 like to see where it goes to plc work and all that aspect of my training 1529

1616 there werent’ very many women in the classes and the one thing my instructor actually took me aside and said look you’re going to have a harder end of it because you’re a woman doesn’t mean you can’t do the job 1625

1626 you earn respect by knowing what you know and by doing your job to the best of your ability 1633

(Grant Funding): not sure how much she used MO MAN or TRA

Michael Gildehaus – Changover Crew Maintenance Silgan

155 change different die sets out molds and tooling out of different products to be able to run them 204

(make plastic bowl for Gerber, Kellogg)

(year after high school)

248 a little of everything, electrical mechanical, learn hydraulics 256

340 came in here for an internship type of thing to go with the schooling and once I got done with school I kept working here 348

409 somebody that likes to do mechanical work just working with tools getting there hands dirty

(200 pieces of tooling for one forming unit)

1 of 6 people on the team. Repetitive on what you do. Anybody can learn it.

658 I love the people I work with helped a lot. Mechanical work. Fun.

715 changing up not doing the same thing every day 718

737 this is one of the more high tech places I would consider eveyrthing changing all the time getting new equipment in new technicalities 800

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Electrical classes at East Central in ’99.

John Davis – Owensville (45 min. drive). 17years at Silgan. Electrical Engineer

Industrial, Electrical, PLC classes.

1041 I went from not being able to wire up a motor to designing old control systems 1046

Mark Borzillo - Silgan Plant Manager

18 to high 20s (wages, competitive, not high tech like TradCo

1850 the program offerings are hand in hand with what are needs are here technology wise electrical stand point people come out of the program hit the gournd running fit right in 1906

1940 theres not hiccup coming into the industry seen it in the labs same as industry no relearning what you’re teaching is appicalbe in the industry 1946

1953 they jump on the learning curve…learned it in school 2007

2058 technology and learning is moving very rapidly and so the IET program has got to be responsive and is responsive to what the current needs are out in the industry 2111

2140 there will be a job in the industry for students who are in the program and the knowledge and experience they will be a fit for manufacturing 2153

2213 industry looking for peple who want to be hands on experience we don’t’ need people sitting at desk at some level need people turning wrench a lot of need for htat right now. 2243

2253 all high tech still milling machines and presses cutters all driven by computer any more needs to hve knowledge of how things work from control point, all computer driven

2326 ECC is a great asset for someone to start off and get into a career

2345 East Central Colelge is a great place to start if you are looking for a career in manufacturing process especially IET combo of hands on and information technology 2403

2420 ECC is a great asset to any man. company value in key program experience gain come into industry without any hiccup 2440

2450 a student finishing the iet program will be well suited to step into industry.