ENGINEERING

STACKABLE CREDENTIALS: In a very basic sense, engineers use math and science to solve world problems. An engineering student will typically seek a bachelor's degree in civil, electrical, or mechanical engineering. Most engineering students seek a master's degree in a specific PH.D. OR field such as bio-medicine, environment, computer sci-**MASTER'S** ence, chemistry, or materials. Engineers work in teams to DEGREE plan, analyze, improve, and develop solutions. **DEVELOPMENT** 4 **POSITIONS BACHELOR'S** Engineering Professor DEGREE **Engineering MANAGEMENT Specialist POSITIONS Lead Engineer** Aerospace **Professional Engi-ASSOCIATE** Manager neer (PE) **DEGREE Concrete Designer** Research and Devel-**Applied Design Engineer** opment Engineer Associate of Field Engineer Science (AAS) **Senior Engineer** or Associate of **Hydrologist** CREDENTIAL Science (AS) **Petroleum Engineer** Certificate. Draftsman **Project Manager** License, or **Permit Field Engineer Quantity Surveyor Machinist Research Engineer** Installer **HIGH SCHOOL** Manufacturing **Robotics Manager** Machinist **Engineer DIPLOMA Steel Designer Operator Process Engineer** Structural Engineer Recommended Repairman **Quality Assurance** courses: **Waste Water Treat-**Service Manager ment Manager **Carpentry** Technician Surveyor Chemistry, Physics, **Technician Biology Technologist Computer-Aided** Drafting **Test Engineer CAREER ADVANCEMENT Computer Science CAREER DEVELOPMENT** Math—4 Years 3D Printing **SKILL SET ENHANCEMENT ENTRY-LEVEL EMPLOYMENT**

