

Reynaldo Rodriguez

Math Instructor
Southwest Texas Junior College
2401 Garner Field Road
Uvalde, Texas 78801

Office:
Office Tel:
Office Email: rrodriguez40348@swtjc.edu

EDUCATION

St. Mary's University, San Antonio TX
Master of Science in Industrial Engineering, 2001
- Awarded The National Dean's List in 1999.

University of Nuevo Leon, Monterrey, Mexico
Master in Science of Administration, Major in Productivity and Quality, 1997

Saltillo Institute of Technology, Coahuila, Mexico
Bachelor of Science in Industrial Engineering, Major in Production Systems, 1993
- Internship in DEACERO, Work Measurement Studies in the foundry department.

COLLEGE TEACHING/EXPERIENCE

Bilingual Industrial Engineer/Math Teacher with master degree education and experience with lean manufacturing systems in a Japanese operated company. Innovative and goal oriented Green Belt Six-Sigma trained with experience in the semiconductor and labor-intensive industry in the United States and Mexico. Dependable team player in development, implementation, maintenance, and improvement of productivity tools. Leader of the internal audit process in a company that follows ISO 9000 guides. Leadership roles in academic-industry projects).

SWTJC Adjunct Instructor Uvalde Texas (2018 - present)

High School Teacher (Math certified) Dilley ISD/Carrizo Springs ISD (8/2010 - present)

St. Mary's University San Antonio, TX (1/2000 - 7/2000)
Research assistant, U.S. Department of Education Grant. (Project "Quality Manufacturing Web Page" founded by U.S. Department of Education MSIP Grant P120a70034).

Carbonifera Institute of Technology, Mexico (1/1997 - 1/1999)
Department Chair of Industrial Engineering Department
Coordinated activities between academic staff and students, scheduling classes, supervising internships, monitoring quality of teaching, and organizing conferences and workshops.
Trained Associate Professors in Quality Systems, Operations Research, and Supply-Chain Management topics.

Carbonifera Institute of Technology, Mexico (1/1994 - 1/1997)
Professor of Industrial Engineering Department
Taught quality management, statistical quality control methods (acceptance sampling, process control with attributes/variables, process capability, capability index), operations research, production planning, investment analysis, project management and work measurement classes, using IE software for the solution of real world problems.
Participated in internship projects in local industry, working with production and quality departments in GTE (work measurement, SPC), Sara-Lee (work sampling), Coca-Cola (ISO-9000, SPC, 5 S's), GAN (Quality Circles-7 tools).

PREVIOUS EXPERIENCE

PROFESSIONAL EXPERIENCE

Hanson Brick Schertz Texas. (2/2007 - 11/2009)
Plant Superintendent

Manage production operations in limestone brick manufacturing environments, scheduling activities of three manufacturing facilities to meet production and quality goals for Reman and Slab facilities achieved 100% hit ratios. Plant 2 achieved 70% hit ratio (Plant 2 runs different brick sizes but with the implementation of SMED concepts changeovers were reduced from 14 to 4 hours).

Participate in the consolidation of manufacturing facilities, enabling Plant 2 to run Executive and Western King size bricks -eliminating the need for plant 1/line 1 operations.

Designed/implemented new recipes for Plant 2 Executive Colors (cored brick), training production and quality assurance personnel in more than 20 Executive Plant 2 recipes.

Work with sales department, creating 4 new Western King Size recipes (all recipes and machine parameters were defined, documented and implemented to achieve color consistency).

Coordinate Continuous Improvement and 6S activities achieving company goals -6S audit scores exceeded company expectations by 6 points in a 1 to 100 scale.

Work with Corporate Environmental department to ensure that company meets Federal Environment regulations performing monthly environmental audits and corresponding corrective actions to prevent water and/or air pollution.

Basler Electric Coahuila, Mexico (2/2004 - 2/2007)

Quality Assurance Manager

Supervise activities of twelve Quality Assurance Inspectors in incoming, in-process and final audit areas in a Mexican maquiladora that manufactures transformers for the HVAC industry, meeting aggressive PPM goals by working in the implementation of lean manufacturing concepts and by training quality and production personnel in quality related concepts -external PPM values have been kept in the range of 8 to 50 PPM in average during the

last 19 months.

Coordination of activities/documents to prepare for external/customer audits (Quality Management Organization, Purchased Material Control, Process Control, Final Audit/Packing, etc) receiving outstanding grades from two customers, Bosh-Siemens and Trane Corporation.

Engineer that reports directly to the Corporate Quality Assurance Manager, keeping Internal Audits and CAR reports as well as Quality Procedure documentation updated.

Leader of the ISO 9000 internal audit process that coordinates the activities of eight internal auditors, achieving 23 internal audits per year.

Coordination of the Corrective/ Preventive Action System, working heavily in the development and implementation of internal and supplier corrective and preventive actions in order to reduce the complaints from our external customers - zero corrective actions were issued by the Customer during the last fiscal year.

Sony Semiconductor San Antonio, TX (7/2001 - 12/2003)

Production Innovation Department -Industrial Engineer (07/2001 - 12/2003)

Participated in the Internal Quality Auditing process, evaluating production and support areas.

Developed simulation models in 125mm Fab, achieving 97% accuracy in production and capacity plans (projected throughput and machine utilization).

Developed staffing models to compute labor requirements and optimize the allocation of operator resources.

Designed, implemented, and maintain chemical forecast models, reducing 35% waste in Kanto products.

Supported cycle time reduction projects as a member of the kanban team, decreasing cycle time by 50%.

Performed dynamic and static capacity analysis to set the daily production targets corresponding to the weekly revised production plan, prioritizing and assigning resources according to the changing needs.

Sony Semiconductor San Antonio, TX (7/2000 - 7/2001)

Manufacturing Science Research Center -Industrial Engineer (07/2000 - 2001)

Participated in the QS9000 implementation process, creating the Floor Plant Layout procedure.

Coordinated eight industrial engineers in Work Sampling Projects, reporting areas of improvement and potential Just in Time solutions to Test Operations Management.

Performed tact time studies in Test and 125mm/150mm production areas. Maintained tact time database for capacity, simulation, and financial analysis.

HONORS AND AWARDS

Awarded The National Dean's List in 1999.

PUBLICATIONS

Quality Manufacturing Web Page founded by U.S. Department of Education MSIP Grant P120a70034

PROFESSIONAL DEVELOPMENT

SolidWorks Essentials Training by MLC Cad Systems (2019).

VEX IQ/Lego mindstorms Certified by The Robotics Institute Carnegie Mellon (2017).

Boosting Engineering Science and Technology Robotics/Stem Dallas University (2017).

Texas Instrument Certified Math Teacher (TN Spire and TI84 Technology).

Gear UP (AP Certified @ Texas A & M University) advanced placement certification achieved during summer 2013.

Six-Sigma Green Belt certified by Sony Electronics (DMAIC Approach, Design of Experiments, FMEA, MSA Studies, Statistical Quality Control, Pareto Analysis, Process Flow Charts, Histograms, Control Charts, and root-cause analysis methods).

Revised: 8/9/2019