



ENGINEERING INSTITUTE, FACULTY OF ENGINEERING, UWI,  
ST. AUGUSTINE CAMPUS  
2018 CALENDAR FOR PROFESSIONAL DEVELOPMENT COURSE LISTING

*In-company training opportunities are available for most courses and can be scheduled at the convenience of the Client in any Caribbean country.*

COURSE TITLE	DETAILS	DATES	COST
<i>Maintenance Analysis and Optimization</i>	<p><b>Facilitator: Professor Emeritus Andrew Jardine, University of Toronto</b> Author of “Maintenance, Replacement, &amp; Reliability Theory &amp; Applications ”</p> <p><b>Key Learning Objectives:</b> Review &amp; Optimize Preventative/Predictive Maintenance Programmes Establish Maintenance Policies Determine Risk-Based Failure Intervals</p>	<p>3rd &amp; 4th March and 24th &amp; 25th March 9:00am to 5:00pm Faculty of Engineering</p>	\$ 6,500.00
<i>Industrial Automation and Controls</i>	<p><b>Facilitator: Professor Rickey Dubai, University of New Brunswick</b></p> <p><b>Key Learning Objectives:</b> Application of control systems in Computers, Machinery and Robots Intelligent Machines, Systems and Factories Process Optimization – A How to Approach Cognitive Robots, Adaptive Control and Sensors</p>	<p>Saturday 3rd March 9:00am to 4:00pm Faculty of Engineering</p>	\$ 2,500.00
<i>Skype Presentation on Vibration Analysis</i>	<p><b>Facilitator: Greg Buscarello, Certified ISO Category 3 Vibration Analyst</b></p> <p><b>Key Learning Objectives:</b> Alignment &amp; balancing Vibration Analysis Proaction Alignment systems with software maintenance and reliability programs Vibration instruments</p>	<p>Saturday 17th March 9:00am to 1:00pm Faculty of Engineering UWI</p>	\$ 750.00
<i>Vibration Analysis: Monitoring &amp; Predictive Maintenance of Rotating Machinery</i>	<p><b>Facilitator: Michael P. Joseph, Certified Vibration Analyst Level III- Vibration Institute</b></p> <p><b>Key Learning Objectives:</b> Maintenance Philosophies Basic Vibration Theory Vibration Measurement and Instrumentation Data Acquisition, Signal Processing Machinery Fault Detection and Analysis Correction Techniques and Case Studies</p>	<p>April to May 2018 (5 Saturdays) 9:00 am to 4:00 pm Faculty of Engineering UWI</p>	\$ 3,500.00
<i>Monitoring and Evaluation in the Public Sector</i>	<p><b>Facilitator: Azad Hosein</b></p> <p><b>Key Learning Objectives:</b> Project Development Lifecycle Managing Organizational Process Assets</p>	<p>April 7th to 14th 9:00am to 5:00pm Faculty of Engineering UWI</p>	\$ 1,995.00
<i>Optimization of Plant Turnaround/ Shutdown Processes</i>	<p><b>Facilitator: Kishore Jhagroo, Senior Lecturer, UWI, St. Augustine</b></p> <p><b>Key Learning Objectives:</b> Maintenance Philosophy Strategic Planning Worklist Preparations-Scope Freezing Turnaround Organization Structure Tendering Process Execution and Emergent work strategies Post Turnaround Reviews CMMS Turnaround Optimization</p>	<p>Saturday 14th April 9:00am to 4:00pm Faculty of Engineering UWI</p>	\$ 2,500.00
<i>Project Procurement Management in the Public Sector</i>	<p><b>Facilitator: Azad Hosein</b></p> <p><b>Key Learning Objectives:</b> Procurement Legislation and Practice Modern Practices in Managing Procurement</p>	<p>April 21st to 28th 8:30am to 5:00pm Faculty of Engineering UWI</p>	\$1,200.00

COURSE TITLE	DETAILS	DATES	COST
<i>Asset Integrity, Risk &amp; Reliability and Process Safety</i>	<b>Facilitator: KBR Technology &amp; Consulting</b> <b>Key Learning Objectives:</b> The AIM process and its applications Hazard identification & use of Barrier Analysis Methods to assess risk Assessing structural integrity including strength, fatigue, seismic, ultimate strength and special cases	April/May (2 days) 9:00am to 5:00pm Faculty of Engineering UWI	\$ 2,500.00
<i>Forensic Engineering Insurance</i>	<b>Facilitators: Prof. Winston Suite, EUR ING Aldwyn Lequay &amp; Eng Clyde Phillip</b> This course provides insight in investigating operational problems or failures and analysis of reports on the causes and possible remedies	May 2nd and 3rd, 9:00 am to 4:00 pm	\$ 2,500.00
<i>Project Brainstorming, Planning, Execution and Monitoring</i>	<b>Facilitator: Azad Hosein</b> <b>Key Learning Objectives:</b> To reinforce the adoption and use of modern project	May 5th to June 9th 8:30am to 4:00pm Faculty of Engineering UWI	\$ 2,500.00
<i>Mechanical Vibration Analysis I</i>	<b>Facilitator: Michael P. Joseph, Certified Vibration Analyst Level III- Vibration Institute</b> <b>Key Learning Objectives:</b> Maintenance Philosophies Basic Vibration Theory Vibration Measurement & Instrumentation Data Acquisition, Signal Processing Machinery Fault Detection & Analysis Correction Techniques, Case Study	Saturday May 5th and 12th 9:00 am to 4:00 pm Faculty of Engineering UWI	\$ 1,800.00
<i>Examination Preparation Course for the Project Management Professional (PMP)</i>	<b>Facilitator: Azad Hosein</b> <b>Key Learning Objectives:</b> An eight-day training course based on PMBOK Ver. 6	May 8th to June 28th 9:00am to 5:00pm Faculty of Engineering UWI	\$6,995.00
<i>Gas Turbine Technology (Design, Operations, Performance and Maintenance)</i>	<b>Facilitator: Sennen Matabadal, Development Engineer, Faculty of Engineering, UWI</b> <b>Key Learning Objectives:</b> Thermodynamic analyses and performance optimization Calculate thermodynamic performance and design parameters Conduct Heat Rate/Thermal Efficiency testing Root Cause Analysis, Degradation Analysis Apply manufacturer's correction factors to determine actual site performance	September (4 Saturdays) 9:00 am to 4:00 pm Faculty of Engineering UWI	\$ 3,000.00

### UPCOMING COURSES

Thermal Systems (Mr. Sennen Matabadal)	Mechanical Component Maintenance (AMATROL)	Green Technology - Wind Turbines & Solar
Maintenance Operations (AMATROL)	Geoinformatic applications (Dr. Asad Mohammed)	Process Control Systems (Dr. Roger Deo)
Electrical Systems (AMATROL)	Industrial Safety (AMATROL)	Basic Hydraulic Systems (AMATROL)

Venue Contact: Ms Tanya Aberdeen of Mr Jesille Fraser, Engineering Institute, UWI, St. Augustine

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Website: <http://sta.uwi.edu/eng/workshops>