We envision Aiken Technical College as a catalyst for developing educated, engaged, and employable individuals whose collective energy will be the driving force for prosperity and quality of life in our diverse communities.
ATC Nuclear Present

- 2008: Certificate in Radiological Control
- 2008 - 2009: Established "Fast-Track" program in cooperation with Savannah River Nuclear Solutions (SRNS)
- 2009: Associate of Applied Science, Major in Radiation Protection Technology

Industry Partnerships / Support

- VC Summer: Employment - Internships, Field Trips, NRP Exam Sponsorship
- Bartlett: Employment - Internships, Contract with U of M, MSEP, Uniform Curriculum
- Plant Vogtle: Equipment
- URS/Washington Group: Financial Donation
- Savannah River Nuclear Solutions: Employment - Internships, Field Trips, NRP Exam Sponsorship

Advisory Committee Support

Members from local industry and higher education

- Savannah River Site – SRNS/SRR
- VC Summer
- Plant Vogtle
- Bartlett Services, Inc.
- Shaw-Areva/MOX
- Parsons
- Medical College of Georgia
- Eisenhower Army Medical Center/Ft. Gordon
- Francis Marion University, Florence, SC
- University of South Carolina, Columbia, SC
- South Carolina State University, Orangeburg, SC

Full Time Faculty

- David Deal, NRRT, BS, MACE
  - Lead Instructor
  - US Navy - Nuclear (9 years)
  - Fast attack Sub - Lead ELT
  - Staff Instructor at UNPT
  - Ballston Spa, NY - Engineering
  - Walsh Supervisor (D10)
  - Commercial Nuclear (22 years)
  - Entergy
  - RP Technician
  - RP Supervisor
  - ALARA Supervisor
  - RP Superintendent
  - RP Trainer
  - Supervisor/Trainer

- Wade Miller, NRRT, AAHP (A)
  - Program Coordinator
  - Charleston NSEP, RC/NEIT (5 yrs)
  - NAVSEA 10B
  - Rad Waste Processing
  - Fermi Lab, RC/NEIT (7 yrs)
  - D&D Project Lead
  - Fixed Target Ops, Rad Training
  - Pantex, HP (4 ½ yrs)
  - non-MMA Ops, RGDs, PI/Repacaging
  - Los Alamos National Lab, HP (3 yrs)
  - RGDs, Plutonium Facility
  - ALARA
  - Savannah River Site, Sr. HP (3 yrs)
  - Sr. HP, SRNS reprocessing facility

Adjuncts

- Henry Bolen, RRPT
  - SRNS, F-Area ESHP Mgr
  - 21 years - DOE
- Greg Collins, MS
  - SRNS, Office of Global Radiological Threat Reduction
  - 10 years - DOE
  - 12 years - SRNL
- Michelle Hipeman, MS
  - Sr. HP, SRNS
  - 2 years training reactor
  - 1 year commercial nuclear
  - 4 years - DOE
- Bill Ferguson, RRPT
  - Principal HP, SRNS
  - 6 years US Nuclear Navy
  - 18 years commercial nuclear
  - 20 years - DOE
- Pedro Lopez de Victoria, MS
  - Training Manager, Parsons
  - 35 years commercial nuclear
  - 7 years NRC
- Bob Prince, MS
  - Fuel Facilities Inspector, NRC Region II
  - 15 years commercial nuclear
  - 20 years DOE & private consulting
**Curriculum**

**RPT Courses**

- RPT-101 – Introduction to Radiation Protection
- RPT-103 – Radiation Fundamentals
- RPT-105 – Reactor Components and Systems (new)
- RPT-113 – Radiation Monitoring
- RPT-223 – Radiation Dosimetry
- RPT-233 – Radiological Safety and Response
- RPT-253 – Radiation Protection

**Industry Focused**

- RPT-290 – RPT Internship
- RPT-120 – 40 hour HAZWOPER
- ENG-160 – Technical Communications
- ENG-260 – Advanced Technical Communications
- EGR-105 – Safety in the Workplace

**Lab Equipment**

**Donations & Loans**

- SRS
  - Hand-held Survey Instruments
  - Gloves and Contaminants
- UNITECH
  - Anti-contamination
- Friban
  - Geiger counters
  - Radiometric
- V&V Hammer & Mover
  - BPRs and Rafter
- RadiCo
  - Site sampling equipment
- Value Added Solutions
  - Hand-held Survey Instruments

**Enrollment & Course History**

- **Fall 2008**
  - 41 students
  - 3 subjects
  - 4 classes
  - 2 labs

- **Spring 2010**
  - 163 students
  - 7 subjects
  - 12 classes
  - 6 labs

- 16 students obtained certificates in Fall ’09
- First Associate Degrees to be awarded Spring ’10
- Students have been placed with Unitech and SRS
Enrollment & Course History

% Retention by Semester

RPT Activities / Future

Workforce and Business Development
TTCC Building

Technical Scholars Program

DACUM in Nuclear Maintenance

Lab Vision
Scientific-driven mock-ups

Possible Relationships

CEL Training

HPS Student Chapter

How Can You Help?

What are we missing in the program?

Internships

LWR requirements within curriculum

Equipment:

CAMs

ARMs

PCM

Electronic Dosimeters

Employment

Questions?

Thank You!

• Equipment Needs – functional units
• Small HEPA Ventilation Unit with approximately 25’ of ventilation trunk
• Small HEPA Vacuum Cleaner
• 3 - (5 gal) Poly Bottles and drain rigs with tygon tubing and HEPA Vent rig
• 6 Teletix EADs
• 2 Teletix Radiation Survey Instruments (RO-2 (2A) equivalent)
• SAM Trainer (Small Article Monitor)
• ARM Trainer (Area Radiation Monitor)
• CAM Trainer (Continuous Air Monitor)

• Equipment Needs – non-functional units okay
• 20 TLDs with holders (Thermoluminescent Dosimeter)
• 20 SRDs (Self-Reading Dosimeter)
• 20 EADs (Electronic Alarming Dosimeter) (functional ones would be great!)
• PCM (Personnel Contamination Monitor) (functional one would be great!)
• Old GELi detector - actually any old detector of various types that can be used as a pass around in class
Supply Needs

- SOPs (Step-Off Pads) 6 of each variety
  - High Contamination to Contaminated
  - Contaminated to Clean

Posting Material
- Invert type sign stands 1/2
- Listing of areas 15 of each
  - Contaminated High Radiation Area
  - High Radiation Area
  - Radiation Area
  - Radiation Contaminated Area
  - Contaminated Area
  - High Contamination Area
  - Alpha Contamination Area
  - Beta Contamination Area
  - Respiration Protective Required
  - Notify RP prior to Entry
  - RWP Required for Entry
  - No Eating, Drinking, Smoking, or Chewing
  - TLD and EAD Required For Entry
  - TLD Required for Entry
  - RP Escort Required for Entry
  - Others (?)

Curriculum Display

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<th>Semester</th>
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<th>Course Title</th>
<th>Lecture Hrs</th>
<th>Lab Hrs</th>
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