Copy of Richland College CAE2Y Application

Richland College
DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

Prepared by Zoltan Szabo

Monday, September 26, 2011

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Access the Original Document

1. Navigate to URL http://ecampus.dcccd.edu
2. Click on the current link to access courses (the website is updated constantly, thus link text might change)
3. Click on the "**Community**" tab in the resulting website
4. Type **forensics** in the "**Organization Search**" input box
5. Click on the search result "RLC-DIGITAL-FORENSICS" under Organization ID
6. The Information page should show up
7. Click on the CAE2Y link on the side bar to access the application or to view updates

Letter of Intent

 Letter of Intent.pdf (46.634 KB)

 fedex.pdf (140.732 KB)

Letter of Intent approved by Executive Dean, Martha Hogan and signed by Interim President Kathryn K. Eggleston, Ph.D.

Richland College of the Dallas County Community College District

Richland College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Richland College. The three-fold purpose for publishing the Commission's address and contact numbers is to enable interested constituents (1) to learn about the accreditation status of Richland College, (2) to file a third-party comment at the time of Richland College's decennial review, or (3) to file a complaint against Richland College for alleged non-compliance with a standard or requirement. Normal inquiries about Richland College, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to Richland College and not to the Commission's office. Richland College is recognized and sanctioned by the Coordinating Board of the Texas Higher Education Agency. Educational opportunities are offered by Richland College without regard to race, color, age, national origin, religion, sex, disability, sexual orientation, or genetic information. Accreditation: http://www.richlandcollege.edu/about/sacs.php

Richland College
12800 Abrams RD
Dallas, TX, 75243 US
972.238.6100

About: http://www.richlandcollege.edu/about/
AI/DF Degree plan:
https://www1.dcccd.edu/cat1011/programs/degree.cfm?degree=digi_forensics_aas&loc=8
CNSS Certificates: http://www.richlandcollege.edu/forensics/certificates.php

District Level Program Information:
http://www.dcccd.edu/current%20students/courses%20and%20programs/programs/comps/digfor/Pages/default.aspx

Faculty Vitae

Faculty Members directly involved in the Information Assurance / Digital Forensics (IA/DF) program at Richland College.

Faculty Schedule Information

Course assignments and updated Vitae can be accessed at http://www.richlandcollege.edu/schedules/

Mr. James Cook

 vitae-JamesCook.pdf (43.606 KB)

Mr. Johan Sarkinen

 vitae-JohanSarkinen.pdf (98.914 KB)

Mr. Ralph Blackburn

 vitae-RalphBlackburn.pdf (44.938 KB)

Rod Lamb

 vitae-RodLamb.pdf (56.685 KB)

Stephen Willis

 Vitae-StephenWillis.pdf (98.973 KB)

Zoltan Szabo

 vitae-ZoltanSzabo.pdf (80.046 KB)

Dan Dao

 vitae-DanDao.pdf (43.146 KB)

1. IA Partnerships:

 Extending IA beyond the normal boundaries of the College/Institution and bringing current IA practitioners into the IA Center. Provide evidence of partnerships in IA education with 4-year schools, other Community Colleges, Two-Year Technical schools, K-12 schools, Industry Schools, Government Schools, Federal/State Agencies, Business, Industry or Non profit organizations. Evidence must be in the form of an articulation agreement, Memorandum of Agreement, letters of endorsement, etc. between the schools. Articulation Agreements must be specific to IA programs. Partnership(s) may include: Shared

curriculum and resources (IA teaching materials provided); shared faculty (faculty on curriculum committee for more than one institution); and reciprocity of credits.

a. Shared Curriculum (e.g., IA teaching materials provided to technical schools, universities, community colleges, K-12 schools, etc.)

1. Richland College as the lead institution representing the state of Texas in the Cyber Security Education Consortium (CSEC) helped develop, maintain, and disseminate course material and instructor training for institutions in Texas and Louisiana. Richland College hosted two instructor development courses in 2009 for instructors (14 in each 3 day sessions) from multiple states.
CSEC Information:
http://www.okcareertech.org/pio/releases/release2009/cybersecurity.htm
http://www.cseconline.org/

2. Instructor training, curriculum sharing, institute recruitment
Zoltan Szabo gave presentation on "Digital Forensics to Volatile Data"
July 21, 2010 Cisco Networking Academy Conference in Frisco, TX

"We received excellent feedback for your session, Digital Forensics to Volatile Data.
Your session was rated in the top 10 sessions! " -- Karen Alderson, Cisco

Feedback
1. Awesome presentation and great speaker!!
Need to incorporate this class into the Academy!
2. Good presentation, good to know more about the subject,
but I don't think I will implement the curriculum at my college
(too advanced for my area).
3. Great Job!
4. Really interesting topic.
5. This is one of the sessions that I wish started in the morning and
lasted a few hours instead of starting right after we ate on the
last day. The instructor was extremely knwoledgeable with both
classroom and real world experience and it made me eager to
learn what he was teaching.

3. Professor Rod Lamb gave presentation on implementing CNSS based courses in Texas and the value of CNSS certifications in the curriculum. Presentation: TCCIL Presentation: "Information Assurance Training for Tomorrow's Cyber World"

Congratulations!!

Your presentation proposal for the Fall TCCIL Conference has been accepted. Your presentation date and time are listed below. Please feel free to contact me should you have any questions.

If you will not be able to present, please email me to let me know as soon as possible.

Thank you.

Laura
Presentation Information
Date: Thursday, October 7, 2010
Time: 3:45 p.m. – 4:30 p.m.

Laura Boyer Talbot
Curriculum and Accreditation Officer
South Texas College
Work: 956-872-2134
Cell: 956-458-2144
Email: ltalbot@southtexascollege.edu

4. OSU Institute of Technology's IT Program Builds Educational and Professional Relationships in Digital Forensics Field - August 6th, 2008

https://osuit4u.org/news_stories/470

Left to right: Ted Ward, Sunita Rajanala and Filmore Guinn, faculty at OSU Institute of Technology, visited the North Texas Regional Computer Forensics Laboratory in Dallas.

5. Sweet Water, TX TSTC in West Texas

6. Richland College hosted a week long training session for TSTC, TVCC instructors, federal agents, Oklahoma, Richalnd College adjunct. (11 people)

b. Shared Faculty (e.g., Faculty on curriculum development committee for more than one institution)

Rod Lamb, CISSP
CSEC Program Administrator
972-238-6274 Office
214-850-2635 Cell
rlamb@dcccd.edu
Richland College
Dallas, Texas

Professor Rod Lamb is working with Cyber Security Education Consortium (CSEC) to develop more courses in mobile device and SCADA security that includes Oklahoma, Kansas, Texas, Arkansas, Tennessee, Colorado, Louisiana, and Missouri states.

This will extend our current offerings in Information Assurance and Digital Forensics.

Stephen M. Willis
972-377-1768
Collin College
Professor of Cyber Security and Computer Networking

Professor Willis has been working with Richland College since 1998 and recently in 2003 joined Collin College as a full time IA faculty member while still providing on-line courses for Richland students in IA. He has been developing and fine tuning the ITSY 1400 and ITSY 1442 courses to better fit on-line student needs and to incorporate CNSS requirements into the curriculum at both institutions.

c. Use of distance education technology and techniques to deliver IA courses. (Distance education includes live/delayed broadcasts, videotapes/CDs, lectures, and web-based IA courses.)

All of the courses listed below are offered in a face-to-face and on-line configuration as shown in the college catalog for the given semester
http://www.richlandcollege.edu/schedules/

Those sections offered as on-line show a designation of Room: INET to show room assignment of INTERNET while real room numbers signify face-to-face courses. Courses offered on-line are offered in a asynchronous method where lectures are archived for later retrieval by students using Wimba classroom. ITDF 1305 was also offered in a synchronous configuration to accommodate a disabled veteran student wounded in combat (Fall 2010). Due to the success of the synchronous course offer for highly technical, we are planning on extending on this offer in the future. Most non-technical pre-requisite courses or courses that only require a simple virtual machine are also offered on-line, but due to the technical nature and hardware requirements for high level courses, students are not able to complete the degree 100% online.

ITSY 1400 Fund of Information Security
ITSY 1442 Info Tech Security
ITDF 1300 - Intro to Digital Forensics
ITDF 1370 - Introduction to Cyber Crime
ITDF 2470 - Financial Cyber Crime ITDF 1305 - Fund of Digital Data Storage

d. Evidence the program is providing students with access to IA practitioners (Example: guest lecturers working in IA industry, government, faculty exchange program with industry and/or government, etc.)

January 10 -14, 2011
Professor Rod Lamb hosted a week long faculty training for 12 faculty members in Texas State Technical College (TSTC) West Texas in Sweetwater.

December 2008
Professor Zoltan Szabo was invited to speak at the Cyber Security Seminar in Oklahoma where he invited 6 students to join him for this event. Students were able to attend the sessions throughout the day and learn more about the industry.

Spring 2010
Graduating class visited Arlington, TX police department's cyber crime unit and Digital Discovery corporation to compare law enforcement vs. civil work environments. See " Fun Stuff - Your Students " tab for pictures. Two of the students in the picture were later hired by Digital Discovery and one of the students decided to take advantage of the articulation agreement between Richland College and OSUIT to continue his education.

OCTOBER 19, 2010

Michael S. Morris, Lab Director at FBI
• Present state of the industry
• Industry trends
• Educational and skill requirements in this field
• Future opportunities from the federal law enforcement point-of-view
Gary A. Williams, Director, PMO, Resources and Process Improvement
• Information on current Federal Agency and Department of Defense (DoD) practices in Information Assurance
• Information on career paths in Information Assurance related to Federal and DoD service and contracting markets
• Sponsorships for events and competitions
• Work-study opportunities
• Internships
Charles E. Davis,
PI, CCE, GCCF
Director, Digital Forensics and Investigative Support
• Computer Forensics Licensing and Certifications
• Civil side of Digital Forensics and its requirements
• Opportunities in the digital forensic field
Mark Hallman, CHFI, GCFA, CCE, EnCE
Principal / VP - Digital Forensics
• Current state of the industry and the need for qualified individuals
• Skills and aptitude requirements for those entering this field of study
Patrick Penton, Forensic Accountant
CPA, CPA, CFE , FCPA , CFF
• Forensic accounting is a growing area of career option for those interested in digital forensics' non-technical side

2006-2007: Based on the CSEC agreement with University of Tulsa, Zoltan Szabo has attended the University of Tulsa MSCS program where he earned his MS in CS and worked as an intern with the Tulsa Police Department's Cyber Crime unit before returning to Texas and developed the IA/DF program.

2005-2006: Dan Dao has attended all 5 developed IA courses by the Oklahoma members of the CSEC consortium to implement those courses in Texas.

2. IA Student Development:
The program provides development opportunities for students that lead to a two year associate's degree or a certificate in an IA discipline.

a. Evidence of IA degrees/areas of study/track or certificates (For example: List of IA Associates degrees and/or certificates in IA curriculum as listed on the institution's website or catalog, list of all IA program courses with their descriptions).

2010 - 2011 Catalog Degree Plans

Digital Forensics AAS since 2007 with specializations in Cyber Crime and in Information Assurance.

https://www1.dcccd.edu/cat1011/programs/degree.cfm?degree=digi_forensics_aas&loc=8

DETAILS

DIGITAL FORENSICS

(Associate in Applied Sciences Degree)

Students pursuing this award program are required to meet **Texas Success Initiative (TSI)** standards and course prerequisites.

Students must earn at least 25% of the credit hours required for graduation through instruction by the college awarding the degree.

Degree Plan Code: AAS.DIGIT.FOREN.09

This degree is designed to prepare students for various career opportunities in the computer forensics arena in government, private sector, and law enforcement agencies. The program consists of two degree tracks leading to the Associate in Applied Science Degree. Students may specialize in the Cyber Crime or Information Assurance Track. The Cyber Crime Track places emphasis on investigative techniques, audit and financial analysis applicable to computer forensics. The Information Assurance Track places more emphasis on computer operating systems, network security, and incident response to security threats. This program is intended to provide a foundation on which the graduate can build a computer forensic career through expanded experience and/or further education. In order to enter the field of Information Assurance/Digital Forensics, a clear criminal background is required by most employers. The State of Texas, in most cases, requires those working in this field to hold a valid Private Investigator (PI) license that can be obtained after employment.

For better transferability of AAS of Digital Forensics degree to universities, students should complete an AAS in Digital Forensics degree's Information Assurance Specialization requirement plus:

  3 Credit hours of Humanities course
  3 Credit hours of History (HIST 1301 or HIST 1302)
  3 Credit hours of Government (GOVT 2301 or GOVT 2302)
  3 Credit hours of English (ENGL 1302)

              CREDIT HOURS

(1st YEAR CURRICULUM)

SEMESTER I

[ENGL 1301](#)	Composition I	3
[ITSC 1405](#)	Introduction to PC Operating Systems	4
[ITSC 1425](#)	Personal Computer Hardware	4
[MATH 1314](#)	College Algebra **OR**	3
[MATH 1414](#)	College Algebra **OR**	(4)
[MATH 1332](#)	College Mathematics I	(3)
Elective[1]	Social/Behavior Sciences	3
		17-18

SEMESTER II

[ITDF 1300](#)	Introduction to Digital Forensics	3
[ITSC 1456](#)	Solaris Shell Programming (SL)	4
[ITCC 1401](#)	Cisco Exploration 1 - Network Fundamentals	4
[SPCH 1311](#)	Introduction to Speech Communication **OR**	3
[SPCH 1315](#)	Fundamentals of Public Speaking	(3)
Elective[2]	Humanities/Fine Arts	3
		17

SEMESTER III

[ITDF 1370](#)	Introduction to Cyber Crime* **OR**	3
[COSC 1436](#)	Programming Fundamentals I**	(4)
[ACNT 1305](#)	Forensic Accounting* **OR**	3
[ITSY 1400](#)	Fundamentals of Information Security**	(4)
[IMED 2415](#)	Web Design II	4
Specialty Elective[3]		3-4

	13-16

Minimum Hours Required	47-51

A student must complete the Semester I, II, III, and all the courses in one of the following specializations (Cyber Crime or Information Assurance) in Semesters IV and V in order to be awarded the AAS in Digital Forensics.

*First two courses for Cyber Crime Specialization.

**First two courses for Information Assurance Specialization.

[1]Social/Behavioral Sciences Elective - must be selected from the [DCCCD AAS Core Options for Social/Behavioral Sciences](#).

[2]Humanities/Fine Arts Elective - must be selected from the [DCCCD AAS Core Options for Humanities/Fine Arts](#).

[3]Specialty Elective - must be selected from the following courses:

[ITSY 2342](#)	Incident Response and Handling	3
[ITSY 2343](#)	Computer System Forensics	3
[ITDF 2320](#)	Digital Forensics Collection	3
[CJSA 1348](#)	Ethics in Criminal Justice	3
[PSYT 2370](#)	Introduction to Forensic Psychology	3
[ITSY 1417](#)	Wireless Foundation	4
[ITSC 1429](#)	Fundamentals of Solaris Operating Environment (SA)	4
[ITNW 1425](#)	Fundamentals of Networking Technologies	4
[ITNW 1451](#)	Fundamentals of Wireless LANs	4

CYBER CRIME SPECIALIZATION:

SEMESTERS I, II, and III

Semesters I, II, and III Curriculum	47-51

SEMESTER IV

[IDTF 2470](#)	Financial Cyber Crime	4
[ITDF 1305](#)	Fundamentals of Digital Data Storage	3
[ITDF 2425](#)	Digital Forensics Tools	4

		11

SEMESTER V

[ITDF 2330](#)	Digital Forensics Analysis	3
[ITDF 2435](#)	Comprehensive Digital Forensics Project **OR**	4
[ITDF 2471](#)	Internship for Digital Forensics	(4)
		7

Cyber Crime Minimum Hours Required		65-69

INFORMATION ASSURANCE SPECIALIZATION:

SEMESTERS I, II, and III

Semesters I, II, and III Curriculum		47-51

SEMESTER IV

[ENGL 2311](#)	Technical Writing	3
[ITSY 2459](#)	Security Assessment and Auditing	4
[ITSY 1442](#)	Information Technology Security	4
		11

SEMESTER V

[ITSY 2401](#)	Firewalls and Network Security **OR**	4
[CPMT 2434](#)	Network Security	(4)
[ITSY 2441](#)	Security Management Practices	4
		8

Information Assurance Minimum Hours Required		66-70

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

DIGITAL FORENSIC ANALYST

(Advanced Technical Certificate)

Students pursuing this award program are required to meet **Texas Success Initiative (TSI)** standards and course prerequisites.

Students must earn at least 25% of the credit hours required for graduation through instruction by the college awarding the degree.

Degree Plan Code: ATC.DIGIT.FORENSICS

The Digital Forensic Analyst Certificate is an advanced technical certificate that provides an opportunity for students to acquire advanced specialized knowledge and skills to collect, identify, classify, and analyze digital evidence related to criminal or civil investigations. Those working in this field may be required to testify as expert witnesses on evidence or crime laboratory techniques. In order to award this certificate, students must hold an associate degree or higher degree in the related field (information technology, computer science, criminal justice, accounting, law, or health). Exceptions will be granted for other degrees and junior level status in related areas will be approved by the program coordinator.

		CREDIT HOURS
SEMESTER I		
ITDF 1305	Fundamentals of Digital Data Storage	3
ITDF 2320	Digital Forensics Collection	<u>3</u>
		6
SEMESTER II		
ITDF 2425	Digital Forensics Tools	4
ITDF 2330	Digital Forensics Analysis	3
ITDF 2435	Comprehensive Digital Forensics Project **OR**	4
ITDF 2471	Internship for Digital Forensics	(4)
		11
Minimum Hours Required		17

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

b. Evidence of Copies of Articulation/Transfer agreements with 4 yr institutions offering a concentration or IA degrees/areas of study/track or certificates.

http://www.osuit.edu/news_stories/544

Signing the agreement are, left to right: Dr. Kay Eggleston, Richland College Acting President; Dr. Bob Klabenes, OSUIT President; Martha Hogan, Executive Dean of Richland's School of Engineering, Business & Technology; and Dr. Scott Newman, OSUIT's Information Technologies Division Chair. Photo taken by John Pollock, Richland College Photographer.

http://www.dcccd.edu/EMPLOYEES/DEPARTMENTS/EA/TS/ARTIC/AA/INDIVCOLLGUNIV/RLC/Pages/Information%20Assurance%20and%20Forensics.aspx

c. Articulation agreements with high schools to facilitate awareness and training for faculty/administration/students.

Richland College offers TechPrep and Dual Credit courses for High School students. Approved Courses for DISD, RISD, and GISD are listed http://www.rlc.dcccd.edu/dual/

IMED 2415 Web Design II
ITSC 1425 Personal Computer Hardware
ITNW 1425 Fundamentals of Networking Technologies
ITCC 1401 Exploration: Network Fundamentals

As a regional Cisco Academy for CCNA track, Richland College also trained local academy instructors at local High Schools and provides ongoing support for their programs.

d. Participation in Cyber/IA competitions.

Richland College students participated in the 2009 DC3 Digital Forensics Challenge where the team earned a respectable US rank of 11 with 1453 points (EveryBitCount). http://www.dc3.mil/2009_challenge/stats.php#DC3_Prize

Professor Zoltan Szabo hosts for Richland students and to others monthly challenges where students compete for prices solving digital forensic and encryption challenges. http://zoltanszabo.tech.officelive.com/DF.aspx

Richland students working on their entries for the first time in 2011 to enter the video/poster competition with the lead of professor Dwayne Carter.
http://www.educause.edu/SecurityVideoContest2011

e. Courses containing "Hands-on" training or Lab training.

Course Name	Lecture Hours	Lab Hours	Total Contact Hours
ITSC 1405 Introduction to PC Operating Systems	3	3	96
ITSC 1425 Personal Computer Hardware	3	3	96
ITDF 1300 Introduction to Digital Forensics	2	4	96
ITSC 1456 Solaris Shell Programming (SL)	3	3	96
ITCC 1401 Cisco Exploration 1 - Network Fund	3	4	112
IMED 2415 Web Design II	3	3	96
ITSY 1400 Fundamentals of Information Security	3	4	112
ITSY 2342 Incident Response and Handling	2	4	96
ITDF 2320 Digital Forensics Collection	2	4	96
ITNW 1425 Fundamentals of Networking Tech	3	4	112
ITDF 1305 Fundamentals of Digital Data Storage	2	4	96
ITDF 2425 Digital Forensics Tools	3	4	112
ITDF 2330 Digital Forensics Analysis	2	4	96
ITDF 2435 Comp Digital Forensics Project	2	7	144

3. IA as multidisciplinary subject:

The academic program demonstrates that IA is treated as a multidisciplinary subject with elements of IA knowledge incorporated into various disciplines.

a. Evidence that IA is taught as modules in existing non-IA courses and that non-technical/non-IA students are being introduced to IA (For example: Non-technical/non-IA students are being introduced to IA concepts; e.g. business courses teaching Information Security modules, health courses – HIPAA regulations)

Technical students are introduced to artistic concepts of web page design while learning the complexities of images and coding while those students taking the same class without IA or DF interest learn about the security implication of their decision when they design websites. Students learn more in-depth multimedia skills so they can evaluate websites for their security integrity and not their visual appeal. Technical students are introduces to law and regulations as well as being prepared to handle and present evidence as an expert witness. Technical students are required to take at least one ethics course as a general elective or a special elective and they are introduced to forensic psychology. Richland College was the first 2 year college in Texas to include forensic accounting where Richland College developed the forensic accounting course for non-accounting majors, thus only one course can cover the complexities of accounting.
CJSA 1348 Ethics in Criminal Justice
PSYT 2370 Introduction to Forensic Psychology
ACNT 1305 Forensic Accounting
IMED 2415 Web Design II

Professor Zoltan Szabo visits Collegiate High School Economic classes on-campus and College Economic courses to present the importance of security, the future of job market, and opportunities in the filed that is not just for technically minded people, but all aspects of the economy and all fields of study is impacted by the digital age.

b. Evidence IA programs (certificate and/or degree programs) require non-technical courses of study; e.g. ethics, policy, and business.

Richland College offers 2 year AAS degree where students are required to complete core educational requirements in order to complete their degree.
One course from "Social/Behavioral Sciences" and one course from "Humanities/Fine Arts". See degree plan:
http://www.richlandcollege.edu/forensics/

Since the core principles of security is technology + operation + people, we also included the non-technical components into the curriculum.

ITDF 1300 Introduction to Digital Forensics - focuses on business policy and procedures while incorporates mandates and the relationship between business needs and security implications.

ITDF 1370 Introduction to Cyber Crime - course focuses on the people aspect of security by utilizing the lecture book "Ethics in Information Technology"

See course description: http://www.richlandcollege.edu/forensics/certificates.php

c. Availability of non-credit/credit professional development courses in IA (e.g. First responders, K-12 teachers)

Richland College Continuing Education department offers many vendor specific certificate programs where information security is built into the certification requirements by vendors like Cisco, Microsoft, CompTIA, ...

Non-degree seeker adults, HS instructors, and those working in the industry can take these courses to update their skills to today's standards. Courses like "Implementation/Support Services in Network & Security" are offered and custom courses can be offered if they are requested. Fall 2010 Schedule -
http://www.rlc7.dcccd.edu/ce/fall/actionpage.cfm?subheading=COMPTIA

More info on CE offerings: http://www.richlandcollege.edu/certs/

4. IA Outreach:
The academic program must demonstrate a strong collaboration with business, industry, government, and the local community.

a. Evidence provided in the form of a Strategic Plan and/or general IA Awareness Program description (example: flyers, letters from sponsors, etc), and/or workshop accomplishments.

2009 - June 8 -19 Presentations

Attached Files: 🗎 SNV31543.JPG (315.597 KB)

DFW Semiconductor and Technology Executive Council and Texas Instruments lead Executive Educator Internship Program thank you letter for participating by presenting Digital Forensics and Information Assurance to technology educators from across Texas.

National Cyber Security Education Month 2010

Attached Files: 🗎 National Cyber Security Awareness Month.pdf (430.494 KB)

Brochure

Attached Files: 🗎 DigForensics Brochure.pdf (844.079 KB)

Information flyer advertising the DF/IA program. These flyers are distributed to local companies and agencies to demonstrate the state-of-the-art equipment, lab, and the level of training we can provide to those interested.

Catalog Insert

Attached Files: 🗎 catalog.pdf (250.271 KB)

Information section advertises to not just technical students in all semester catalogs, but emphasizing the program as a filed of study that is not a traditional IT type of degree plan. Based on his approach, our non-IT enrollment has been from other majors like Business, Accounting, Computer Science, Criminal Justice, and other disciplines as well.

Deloite Support

Attached Files: 🗎 DCCCDltrof support.pdf (40.161 KB)

Digital Works Support

Attached Files: 🗎 Digital Works LLC.doc (23.5 KB)

Litigation Solutions Support

Attached Files: 🗎 Ligigation Solutions.doc (23 KB)

TLSI Support

Attached Files: 🗎 TLSI.pdf (56.548 KB)

TCCIL Presentation

Attached Files: 🗎 TCCIL_Presentation_v3.1.pdf (1.044 MB)

Promoting CSEC consortium and the CNSS alignment in Texas since Richland College is the first 2-year institution to map its curriculum to any of the CNSS certifications.

Presentation in Oklahoma

Attached Files: 🗎 Fourth Annual.pdf (348.61 KB)

Local and Federal agency presentation.

Presentation - Certificate of Appreciation

Attached Files: ⬜ pic01587.jpg (72.885 KB)

Connecting Student Directly to Industry

See pictures in "Fun Stuff- Your Students" content area.
Law Enforcement visit to Arlington PD forensic lab.
Digital Discovery visit with students.
IA and DF program presentation to Singapore delegates.
Planned visit to RCFL in Dallas with students (January 28, 2011)

Smart Careers

Annual publication using actual DF/AI students from the program. We had the latest photoshoot November 17, 2010.

Your career is more than a job. It's who you are and what you do. At DCCCD, you can reinvent yourself and your career in just two years…or less! Take a peek at some lucrative new careers that are waiting just for you. We're highlighting 29 of more than 100 one- and two-year degree and certificate programs offered by DCCCD that can help you find a new career and some economic stability, too. Check out the program profiles - including career field opportunities and potential earnings data - and click on the links on our web site for even more information. Whether you're just getting started in the work world or even starting over, DCCCD's programs can put you on a fast track to a great new career. Faculty members in our career and technical programs bring the "real world" into your classroom – sharing their work experiences as well as their areas of expertise, plus their talent for teaching – to ensure that the time and effort you invest with us pay off.

Brochure page 14

Advising Center Informational Presentation for all Students

Attached Files: ⬜ Digital Forensics.ppt (634.5 KB)

We play informational video for students waiting for advisors to talk to or to register for classes.

Student feedback after NTRCFL visit

On January 28, 2011 students visited the FBI forensics lab. This is the feedback we have received from students after the visit.

Comments:

The visit to North Texas FBI offices was a good exposure on the field that I am pursuing; the information given made me feel more comfortable with the choice of career path that I have taken. I got a chance to talk to the Lady who graduated in the same field, the talk was very informative.

The speaker gave us good information on what they do, how they handle chain of custody which was stricter than I thought the tour through various departments made more emphasis on specialization. It made the things learned in class to be a reality.

I greatly appreciate and thankful for you the effort you put to allow us have that experience as I believe that it will help all of us to work hard and achieve our dream.

Thank you for taking the time to set-up the tour of the FBI lab. I hope they will continue to let the school tour for classes in the future.

I was satisfied to see that they were organized and keep their facility clean. Many of the policies that were considered during class discussions were implemented at the lab. Chain-of-custody and other checks and balances are a part of the daily routine.

The tools and equipment they used were the normal things we have encountered during the course of our degree plan and the amount of difficulty they face seemed low, compared to what we would face in class.

I found it interesting that he said they like FTK better than EnCase. The FTK reports were much easier in class also but I felt that EnCase found more evidence. I wasn't too surprised that each investigator had a closed 'office' to do their work. I was surprised to hear him say they work through the cases rather quickly.

The discussion about the degree requirements was discouraging but you said they may be changing the way they hire was encouraging. Getting into this field is proving to be difficult and getting hit with the possibility of two more years of school without a job is a big concern.

Again, thank you for getting the event set-up for us.

Thank-you for arranging the trip to visit the FBI RCFL. I don't know exactly what I was expecting, but it was different than I had anticipated. I was surprised at how small a facility it actually was when compared with the large area that they are responsible for. This made it all the more impressive to me.

The sheer size of the storage media and how rapidly they have expanded reinforced just how vast the requirements are for this field. I was very impressed with how they are dealing with their backlog with as few analysts as it appears they have.

The most surprising aspect of the entire visit was the fact that they work cases for the local police departments for free. I guess I have watched too much television, but I had assumed that the feds only worked on federal cases, not local law enforcement. It is somewhat reassuring in our current geo-political climate to know that analysts with their training and expertise are available to help out our local law enforcement.

I was also very grateful for your honest assessment of where you see my best opportunities for development and employment. I need to be realistic in my expectations and your advice was very much appreciated and will be factored in to my future course work.

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I attended the tour on Friday (Jan 28, 10am) and it was most interesting! Warmly recommended when/if Zoltan is able to get another arranged in some future (don't think it will happen anytime soon though - those guys are certainly busy.)

First, we had all to sign up weeks in advance - presumably for FBI screening each one of us. As being a facility with high level of security, we also had to leave all cell phones, backpacks, etc, in a room before entering the more secure areas. (With blue lights flashing in corridors indicating visitors where inside the facilities.) We got a quite thorough guided tour by one senior forensics analyst that took us (some 16 people, I think) around the different areas, including special rooms for cell phones investigations, video investigations, their well-equipped data center (small in physical size but, oh boy - some

serious equipment, and ended in their room used for educations etc. Where we had time for Q&As. We started at 10am and ended when no more questions came up - i.e, we got all the time we wanted - seemingly not a time limited. All together - a very much recommended tour!

For the students that has gone further into DF courses/program: their main tool is FTK (Forensics Toolkit), not EnCase. Plus many other more or less specialized tools, including open source. They do have internship programs but you have to have at least a bachelors degree - not necessarily in DF but any science programs are definitely preferred. "We need scientists more than MBAs" - kind-of. Check out http://www.fbijobs.gov/ and http://usajobs.gov/ for more.

My experience at the RCFL was very good. I think we received a great opportunity being able to meet the different staff members from each department and learn information about their job duties and different work scenarios from a daily point of view. Also we were able to see how an actual forensic lab is set up and some of the actual procedures involved in professional field work.

I'k m definitely glad that I had the chance to do this and I would definitely be interested in similar visits to either the RCFL or other computer forensic related firms in the future.

I had a great experience at the lab today! Our little tour guide was great! It was very informative as to what tools they use from day to day and what types of cases they mostly work with. I thought it was neat that they let us look in the evidence room, and I found it to be very impressive that they were only 2 months behind compared to the other labs. I couldn't imagine what their evidence room looks like! Also, I learned what a faraday box is and what it does. I had never heard of one before.

I am still interested in the program; I just found it to be a little disappointing that they require a Bachelors degree in Computer Science and law enforcement experience. That is fine and all, and I don't mind doing it because the FBI is where I wanted to end up in my career choice, but now it just seems like it will be about 8 years or so before I can get there. Which makes me wonder and if you could answer this question that would be great, but what is the difference between computer science and the digital forensics program and should I start pursuing that path instead of this one?

Overall I thoroughly enjoyed the trip, and I look forward to our next venture! Thank you so much for the opportunity to go to the lab!

The lab itself was not what I was expecting. I had it in my mind that it would be an open space with rows of desks and people working out in the open, kind of like the room we finished the tour in. I am glad i was wrong.

Overall this trip just confirmed for me that this is what I want to do. I find it kind of funny that it seems that we as college students are getting more training that people in this field already, of course I guess that is to be expected since this field is so new.

I found it very interesting that each lab tech had his or her own office/lab.
The amount of training that they go through also was great to hear, I think, I am one of those people that need a lot of "hands" on type of learning so if I heard the speaker right it seems like 1-2 years before you're on your own with a case. That was reassuring to me, on the flip side the whole point about a bachelors degree was very disappointing.

The phone kiosk was nice to see when we first walked in, nice to see a tool I had used, I did not look for too long in the "phone" room but I would hope they had a better tool to use, in my opinion that one was not a good one.

I know he talked about the chain of custody when signing in and out of the evidence room, I guess he did not say and we did not ask about when your doing your investigation I do not remember ever hearing anything about it.

Overall it was a fun and informative trip, that I am glad I got a chance to go do and see.
I still think digital forensics is for me, but I find myself taking network security classes and enjoying them more and more. This is a fun and exciting field to learn about and hopefully work in one day.
Thank you for the opportunity to go see a working lab.

InfraGard Presentation

The only 2-year institution to present at the annual event. We have received positive feedback for our program and internship opportunities for our students after the presentation. We have talked about our program and the benefit of CSEC membership. We have invited the industry representatives to join our advisory board and the University representatives to work with us on articuation agreements.

5. IA Faculty:

Faculty assigned specifically to teach and/or develop IA courses/curricula/modules.

a. Identify by name faculty member with overall responsibility for the IA instructional program. Provide evidence, i.e. verification letter and/or job description.

Rod Lamb (CISSP) – Faculty teaching Cisco courses (ITCC .... courses required in the degree plan)and provides instructor training in the IA program as part of the CSEC mission. Main contact for CSEC initiative.
http://hb2504.dcccd.edu/vita/0013400.pdf

Zoltan Szabo – Lead faculty teaching, developing, and coordinating Information Assurance and Digital Forensics program related tasks. Initiates, develops, and maintains industry and academic contacts for internships and articulation agreements. He is also the main contact for CNSS and CyberWatch.
http://hb2504.dcccd.edu/vita/0016468.pdf

2006-2007: Based on the CSEC agreement with University of Tulsa, Zoltan Szabo has attended the University of Tulsa MSCS program where he earned his MS in CS and worked as an intern with the Tulsa Police Department's Cyber Crime unit before returning to Texas and developed the IA/DF program.

Ellen Spencer – Adjuct faculty specializing in Sun Solaris (UNIX) and scripting (Linux) based courses as part of the degree plan to develop UNIX/Linux skill sets for our graduates. She also designed and maintains the virtual, on-line lab environment for the Information Technology (IT), Information Assurance (IA), and Digital Forensics (DF) students in the program.
http://hb2504.dcccd.edu/vita/0004625.pdf

Dan Dao - Faculty specializing on cyber crime and secure coding development and teaches courses in computer science and web based programming courses. Also completed all CSEC train-the-trainer courses in IA and DF. Maintains and promotes the IA program to High Schools and students in other discipline.

http://hb2504.dcccd.edu/vita/0003204.pdf
http://www.rlc8.dcccd.edu/game/?page_id=22

2005-2006: Dan Dao has attended all 5 developed IA courses by the Oklahoma members of the CSEC consortium to implement those courses in Texas.

Stephen M. Willis (CISSP) - Adjunct faculty specializing in data security and system security courses (ITSY ....) also working as a full time faculty at the Collin County Community College District as a full time faculty. He is conducting his classes on-line as asynchronous lab based courses.

http://hb2504.dcccd.edu/vita/0014716.pdf

b. Identify by name additional IA faculty members teaching IA courses within the department that sponsors IA programs.

James Cook
Richland College
Dallas County Community College District
12800 Abrams Road, Dallas TX 75243-2199
972-238-6140 (ACCESS Office)
jcook@dcccd.edu

Johan Sarkinen
A110, Adjunct Faculty Office
972-238-6140 (Adjunct Faculty Office)
jsarkinen@dcccd.edu ('in-campus', preferred)
jsdcccd@sarkinen.com ('off-campus', backup)
Jeff Cook
Richland College
Dallas County Community College District
12800 Abrams Road, Dallas TX 75243-2199
972-238-6140 (ACCESS Office)
jgcook@dcccd.edu

Tom Griffing
Richland College
Dallas County Community College District
12800 Abrams Road, Dallas TX 75243-2199
972-238-6140 (ACCESS Office)
tgriffing@dcccd.edu

c. Provide evidence in the form of curriculum vitae supporting the faculty member's qualifications to teach IA.

At least one IA faculty member will be expected to be professionally certified with at least one of the IA certifications listed under DOD Directive 8570, such as CISSP, CPP, CISA, CISM, GIAC, etc. or a minimum of 9 hrs of graduate coursework and/or appropriate experience in a related field could be considered in lieu of a professional certification.

Rod Lamb (CISSP) - Faculty teaching Cisco courses (ITCC .... courses required in the degree plan)and provides instructor training in the IA program as part of the CSEC

mission. Main contact for CSEC initiative.
http://hb2504.dcccd.edu/vita/0013400.pdf

Zoltan Szabo - Lead faculty teaching, developing, and coordinating Information Assurance
and Digital Forensics program related tasks. Initiates, develops, and maintains industry
and academic contacts for internships and articulation agreements. He is also the main
contact for CNSS and CyberWatch.
http://hb2504.dcccd.edu/vita/0016468.pdf

Stephen M. Willis (CISSP) - Adjunct faculty specializing in data security and system
security courses (ITSY ....) also working as a full time faculty at the Collin County
Community College District as a full time faculty. He is conducting his classes on-line
as asynchronous lab based courses.
http://hb2504.dcccd.edu/vita/0014716.pdf

6. Practice of IA encouraged throughout the Institution:

The academic program demonstrates how the institution encourages the practice of IA, not merely that IA is taught.

a. Provide a link to the institution IA security plan and/or policies

Information Privacy and Security Officer - Richland College's assigned IPSO for the local
campus is Greg Thomas (gcthomas@dcccd.edu)
http://www.dcccd.edu/Employees/Policy%20and%20Procedures/IPSP/Pages/default.aspx

b. Institution designated Information System Security Officer or equivalent. Provide name, position and job description for person or persons responsible for information security.

Thomas, Greg
Information Privacy and Security Officer
Dean, Administrative Technology
GCThomas@dcccd.edu
Phone   972-238-6930
Office   972-238-6930
Fax   972-238-3753

c. Provide evidence of the implementation of the institution IA security plan to encourage IA awareness throughout the campus.

District Awareness for all faculty, staff, and students.
http://www.dcccd.edu/Employees/Policy%20and%20Procedures/IPSP/Pages/SecurityAwareness.aspx

Professor Zoltan Szabo presented phishing awareness for faculty and staff Feb 15, 2008.

Professor Zoltan Szabo gave presentation to faculty and staff on basic data recovery, precautions, and what to do in an event if data is lost. He also presented privacy issues related to some management software used in classrooms. Feb 18, 2009.

Richland College hosted it first annual Cyber Security Education Month Seminar:

Presenters:

Michael S. Morris - Lab Director at FBI: 12:00p.m. – 12:30p.m. Present state of the industry Industry trends Educational and skill requirements in this field Future opportunities from the federal law enforcement point-of-view

Gary A. Williams - Director, PMO, Resources and Process Improvement: 12:40p.m. – 1:00p.m. Information on current Federal Agency and Department of Defense (DoD) practices in Information Assurance Information on career paths in Information Assurance related to Federal and DoD service and contracting markets Sponsorships for events and competitions Work-study opportunities Internships

Charles E. Davis - PI, CCE, GCCF Director, Digital Forensics and Investigative Support - 1:00p.m. – 1:20p.m. Computer Forensics Licensing and Certifications Civil side of Digital Forensics and its requirements Opportunities in the digital forensic field

Mark Hallman -CHFI, GCFA, CCE, EnCE Principal / VP - Digital Forensics

1:20p.m. – 1:40p.m. Current state of the industry and the need for qualified individuals Skills and aptitude requirements for those entering this field of study Patrick Penton Forensic Accountant CPA, CPA, CFE , FCPA , CFF 1:40p.m. – 2:00p.m. Forensic accounting is a growing area of career option for those interested in digital forensicsʾ non-technical side

c.1 Cellphone spysoftware

 Notes on cell spying.pdf (220.349 KB)

02/2011 - Based on our sister college forwarded email from their criminal justice department, we have created a report on the seriousness and likelihood of such event. Our report has shown the news media's skewed view and technical misinformation. College administration were informed of our findings and a new degree plan was developed to include digital forensic courses for criminal justice majors.

C.3 Email Phishing Reports

 Phishing Report.pdf (1.304 MB)

01/2011 - Advisors and staff were informed on phishing, reporting, and what to do after personal information was compromised.