

FACULTY VITÆ
(2020 - 2021)

Name: Joshua L. Rogers
Title: Assistant Professor
Appointment Date: August 2016
Division: Technical & Industrial

I. EARNED DEGREES:

Lewis-Clark State College, Lewiston, Idaho:

B.A.S. Information Technology, <i>magna cum laude</i>	2019
A.A.S. Information Technology, Presidential Honors	2019
B.A.S. Applied Technology (Info. Sys. Analysis), <i>magna cum laude</i>	2018
B.S. Computer Science, <i>magna cum laude</i> , Minor: History	2015
A.A. Natural Sciences and Mathematics, Presidential Honors	2015
A.A. Social Sciences, Presidential Honors	2015
A.A.S. Information Systems Analysis, Presidential Honors	2012
A.A. Liberal Arts	2010

Education Related Certifications:

ICTE Postsecondary SOS (456831899)	2020-Present
ICTE Postsecondary LOS (456831899)	2017-2020
CompTIA A+ (COMP001020394204)	2019-2022
CRLA ITTPC Certified Master Tutor	2011-Present

II. EDUCATION AND WORK EXPERIENCE:

(Including appropriate seminars, national meetings, workshops, etc.)

A. EDUCATION:

Cybint:

The Coronavirus and Cybercrime (1 h) 2020

Blackboard:

Preparing to Scale Online during the Coronavirus (1 h) 2020

Amazon:

How to Prioritize Security Controls ... AWS (1 h) 2020

Design World:

Metal, Ceramic, Silicone: Using 3D Printed Molds (1 h) 2020

Autodesk:

BP for Collaborating on Large Scale Design Projects (1 h) 2020

Idaho State University, Pocatello, Idaho (Relevant Coursework):		
CTE 4401 (Foundations of Career and Technical Education)		2019
CTE 4403 (Methods of Teaching in Career and Technical Education)		2019
CTE 4402 (Analysis and Course Construct)		2019
CTE 4404 (Evaluation in CTE)		2019
Microsoft:		
Mng. Svrs. and VMs Anywhere with Windows Adm. Ctr.	(1 h)	2019
TechJunction 2019:		
Adapting to Fight Back: How Cyber AI Neut. ... Threats	(1 h)	2019
AI Comes of Age	(1 h)	2019
Welcoming Our New AI Overlords: AI Meets IT	(1 h)	2019
Information Technology at Washington State Univ.	(1.5 hs)	2019
Control Engineering:		
How to Execute a Successful IoT Project	(1 h)	2019
Five Ways to Use Cloud and IIoT to Improve Prod.	(1 h)	2019
CompTIA:		
The Secrets of Successful Mentorship	(1 h)	2019
Inductive Automation:		
How to Easily Build SCANA & HMI HTML5 Web Apps	(1 h)	2019
Design Like a Pro: Bas. Of Bldg. Mob. HMIs	(1 h)	2019
Schweitzer Engineering Laboratories:		
SEL Factory Tour, Lewiston, Idaho	(3 hs)	2019
AWS and Cloud Computing by Nate Pope	(1.5 hs)	2019
Resumes and Interviewing by Jim Heimbigner	(1.5 hs)	2019
Containers by David Kittle	(1.5 hs)	2019
SDN/SD-WAN by Jason Bryant	(1.5 hs)	2019
IIoT for Engineers:		
IIoT/Cloud series, Part 1	(1 h)	2019
Institute of Electrical and Electronics Engineers (IEEE):		
IEEE SoutheastCon 2019 (President's Conf. Webinar)	(3 hs)	2019
Digital Engineering:		
Additive Manufacturing in the Hot Seat	(1 h)	2019
Control Engineering:		
IIoT series: Current Issues and Applications	(1 h)	2018
Simplifying Computing at the Edge	(1 h)	2018

TechJunction 2018:		
How Blockchain Will Disrupt Cybersecurity	(1 h)	2018
Predict Future Attacks with AI	(1 h)	2018
Cybersecurity and Compliance: HIPPA and GDPR	(1 h)	2018
Cybersecurity Demystified	(1.5 hs)	2018
Cybint Solutions:		
Enhancing Cyber Security Education	(1 h)	2018
CompTIA:		
The Ever-morphing World of Malware	(1 h)	2018
CompTIA IT Fundamentals FC0-U61	(1 h)	2018
VMware:		
Impacted by Spectre/Meltdown?	(1 h)	2018
TechJunction 2017:		
Cybersecurity on the Front Lines	(1 h)	2017
Software Defined Wide Area Networks	(1 h)	2017
Zen & the Art of Ransomware	(1 h)	2017
Business Continuity & Disaster Recovery	(1 h)	2017
Homeland Security Perspective	(1.5 hs)	2017
Cybint Solutions:		
Enhancing Cyber Security Education	(1 h)	2017
Idaho Career Technical Education:		
REACH: ICTE Professional Dev. Conf.	(15 hs)	2017
Summer Academy	(40 hs)	2017
CompTIA:		
CompTIA IT Fundamentals Webinar	(1 h)	2017
ChannelCon 2017	(1 h)	2017
The Business of Security	(1 h)	2017
SimuTech Group:		
Adv. in Anlys. of Ant. Design & Placement in IoT	(1 h)	2016
TechJunction 2016:		
How to Stop Hackers	(1 h)	2016
Be Prepared! Effective Incident Response	(1 h)	2016
Why do You Need Disaster Recovery?	(1 h)	2016
Insiders are the New Malware	(1 h)	2016
Cyber Self-Defense: Next-Gen Skills	(1.5 hs)	2016
Cisco Learning Network:		
CCNA Routing and Switching: Comp. Overview	(1.5 hs)	2016

Overview and Study Tips for the ICND2 Exam	(1 h)	2016
Global Knowledge/VMware:		
VMware vSphere 6.5 Training: What's New	(1 h)	2016
VMware vSphere Install, Configure, Manage [V6]	(40 hs)	2016
College Reading and Learning Association (CRLA):		
International TUTOR Training Program Certification	(250 hs)	2008-2015
Lewis-Clark State College, Lewiston, Idaho (Relevant Coursework):		
CITPT 191 (Computer Info. Tech.)		2015
CS 110 (Interactive Design)		2015
CS 475 (Comp System Security)		2015
HIST 392 (Science Tech. World History)		2015
CS 420 (Analysis of Algs.)		2014
CS 360 (Software Engineering)		2014
CS 430 (Operating Systems)		2014
CS 445 (Databases & Know. Mgmt.)		2014
CS 250 (Comp Org./Arch.)		2013
CS 312 (OO Design/Implementation)		2013
CS 213 (Algorithms/Data Structures)		2013
CS 226 (SQL: Struct. Query Lang)		2013
HRPT 185 (Hum. Rel./Organizations)		2013
ISATI 121 (CompTIA Security +)		2012
ISATI 202 (Novell/LINUX Oper. Sys.)		2012
ISATI 223 (Certification Preparation)		2012
ISATI 204 (CCNA 1: Networking Basics)		2012
ISATI 205 (CCNA 2: Router Basics)		2012
ISATI 207 (CCNA 3: Switch Bas./Inter. Route.)		2012
ISATI 208 (CCNA 4: WAN Technologies)		2012
ISATI 101 (Intro/Networking)		2011
ISATI 103 (Intro/Info. Sys. Analy.)		2011
ISATI 104 (Fund/Microcomputers)		2011
ISATI 224 (Windows Server 2008)		2011
ISATI 225 (MS Windows 7)		2011
ISATI 226 (Virtualization Tech.)		2011
MATH 175 (Calculus II)		2010
ENGR 120 (Engr. Fnds./Analysis/Design)		2010
ENGR 105 (Engineering Graphics)		2010
MATH 170 (Calculus I)		2010
CS 111 (Foundations/Programming)		2009

B. WORK EXPERIENCE:

Lewis-Clark State College, Lewiston, Idaho:

Assistant Professor, Technical & Industrial Div. (T&I) 2016-Present
Instruct courses in microcomputer systems, virtualization, computer operating systems, and computer networking.

Adjunct Instructor, Dept. of Nat. Sci. & Math. (DONSAM) 2015-2016
Instructed course labs in various computer programming languages including AT&T Assembly, C, C++, Java and Python.

Teaching Assistant/Adjunct Instructor, T&I 2015-2016
Assisted Information Technology faculty with program related duties including lectures and grading.

Lab Monitor, LCSC: Student Support Services (TRiO) 2015
Mentored TRiO tutors through training sessions and mentored students in multiple subjects.

System Administrator, DONSAM 2014-2015
Administered the LCSC Computer Science Program's lab computers, servers and network.

Teaching Assistant, DONSAM 2014-2015
Taught students to understand and write code in various programming and scripting languages.

Circulation Assistant, LCSC Library 2009, 2012
Worked to maintain the LCSC Library and meet the requirements of faculty, staff and community members.

CRLA Certified Tutor, TRiO 2008-2014
Monitored and maintained the TRiO Learning Lab on the LCSC campus while mentoring students in multiple subjects.

MA DeAtley Construction Inc.:

Data Entry Technician 2012
Verified and entered daily technical and highway permit data for approx. 200 vehicles in use at project sites in ID, OR, MT, and WA.

Aircraft Maintenance 2010
Detailed a performed visual damage inspection of various aircraft. Maintained a current TSA non-movement area security clearance.

DeAtley Crushing Service:

Aircraft Maintenance 2009-2016
Detailed a performed visual damage inspection of various aircraft.

Maintained a current TSA security clearance.

III. LOADS (Including Administrative Assignments):

A. FALL SEMESTER:

Curriculum Committee	6 hs/m
ISATI 125 (Computer Essentials)	4 cr (6 hs/w)
ISATI 231 (Operating Systems I)	4 cr (6 hs/w)
ISATI 232 (Operating Systems II)	4 cr (6 hs/w)
ISATI 233 (Operating Systems III)	4 cr (6 hs/w)
ISATI 290 (Directed Study in Information Technology)*	1-12 cr
ISATI 294 (Internship in Information Technology)*	1-12 cr
ISATI 390 (Directed Study in Information Technology)*	1-12 cr
ISATI 394 (Internship in Information Technology)*	1-12 cr
ISATI 490 (Directed Study in Information Technology)*	1-12 cr
ISATI 494 (Internship in Information Technology)*	1-12 cr

B. SPRING SEMESTER:

Curriculum Committee	6 hs/m
ISATI 125 (Computer Essentials)	4 cr (6 hs/w)
ISATI 231 (Operating Systems I)	4 cr (6 hs/w)
ISATI 232 (Operating Systems II)	4 cr (6 hs/w)
ISATI 233 (Operating Systems III)	4 cr (6 hs/w)
ISATI 290 (Directed Study in Information Technology)*	1-12 cr
ISATI 294 (Internship in Information Technology)*	1-12 cr
ISATI 390 (Directed Study in Information Technology)*	1-12 cr
ISATI 394 (Internship in Information Technology)*	1-12 cr
ISATI 490 (Directed Study in Information Technology)*	1-12 cr
ISATI 494 (Internship in Information Technology)*	1-12 cr

*As needed

C. OTHER COLLEGE ASSIGNMENTS:

Search Committee Chair (Industrial Electronics Program Faculty)	2019
Curriculum Committee: Technical & Industrial Div. Rep.	2019-Present
Selection Cmte.: H.L. Talkington Faculty Achievement Award	2019
Library Committee	2017-2019
Technical & Industrial Div. Leadership Committee	2017-2020
Faculty Search Committee (IT Program)	2017
Information Technology Technical Advisory Committee (ex officio)	2016-Present
Commencement	2015-Present
Individual Promotion and Tenure Committee (DONSAM)	2014
Staff Search Committee (TRiO)	2012

IV. CURRENT PROFESSIONAL MEMBERSHIPS:

Certifications:

ICTE Postsecondary SOS (456831899)	2020-Present
CompTIA A+ (COMP001020394204)	2019-Present
ICTE Postsecondary LOS (456831899)	2017-2020
Cisco Certified Network Associate (CSCO12285506)	2012-2015
CompTIA A+ (COMP001020394204)	2012-2015
CRLA ITTPC Certified Master Tutor	2011-Present
CRLA ITTPC Certified Advanced Tutor	2010-2011
CRLA ITTPC Certified Tutor	2009-2010

Memberships:

Association for Computing Machinery (ACM)
ACM Committee on Women in Computing (ACM-W)
College Reading and Learning Association (CRLA)
Computing Technology Industry Association (CompTIA)
Institute of Electrical and Electronics Engineers (IEEE)
IEEE Computer Society (IEEE-CS)
National Society of Leadership and Success (Leadership Honor Society)

Professional Journal Subscriptions:

Aerospace & Defense Technology (Tech Briefs Media Group)
Applied Automation (CFE Media, LLC.)
Certification Magazine (Vallejo Media)
Communications of the ACM (ACM, Inc.)
Control Design (Putnam Media)
Control Engineering (CFE Media, LLC.)
Design World (WTWH Media, LLC.)
Digital Engineering (Peerless Media, LLC.)
Electronic Component News (Advantage Business Media, LLC.)
Electronic Products (AspenCore)
Inside GNSS (Gibbons Media and Research, LLC.)
Laser Focus World (PennWell Corporation)
Microwave Journal (Horizon House Publications Inc.)
Military & Aerospace Electronics (PennWell Corporation)
NASA/SAE Tech Briefs (Tech Briefs Media Group)
Photonics & Imaging Technology (Tech Briefs Media Group)
Plant Engineering (CFE Media, LLC.)
Spectrum (IEEE)

V. NON-TEACHING ASSIGNMENTS AND ACTIVITIES:

Assisted setting up T&I Division meetings using Zoom (COVID-19) 2020

Faculty Search Committee Chair (IET Program)	2019
Curriculum Committee: Technical & Industrial Div. Rep.	2019-Present
Selection Cmte.: H.L. Talkington Faculty Achievement Award	2019
Lewis-Clark State College Presidential Search <i>Was an active participant in reviewing curricula vitae, and meeting with the presidential candidates during campus Q&A sessions.</i>	2018
LCSC Career-Technical Education Dean Search <i>Was an active participant in reviewing curricula vitae, and meeting with the dean candidates during campus Q&A sessions.</i>	2018
International Programs Office <i>Worked with Study Abroad Coordinator to send LCSC students to study in various countries.</i>	2018-Present
Library Committee	2017-2019
Technical & Industrial Div. Leadership Committee	2017-2020
Preparation of UAR (data analysis, doc prep, fact checking)	2016-Present
Information Technology Technical Advisory Cmte. (Recorder)	2016-Present
Technical & Industrial Division Meetings	2016-Present
Individual Promotion and Tenure Committee (DONSAM)	2014
Idaho PTE Legislative Luncheon (Student Rep.)	2013
Staff Search Committee (TRiO)	2012

VI. PUBLICATIONS AND MANUSCRIPTS:

Rogers, J. (2019). *Influential legislation*. Unpublished Manuscript, Idaho State University, Pocatello, United States of America.

Rogers, J. (2019). *Leaders who influenced CTE research paper: Justin S. Morrill*. Unpublished Manuscript, Idaho State University, Pocatello, United States of America.

Rogers, J. (2015). *Electromagnetic telegraphy in the 19th and 20th centuries*. Unpublished Manuscript, Lewis-Clark State College, Lewiston, United States of America.

Rogers, J. (2013). *Lithic implements of the nimiipuu*. Unpublished Manuscript, Lewis-Clark State College, Lewiston, United States of America.

VII. RESEARCH:

- A. Planned, wrote and delivered a course on Windows 10
- B. Planned, wrote and delivered a course on Windows Server 2016
- C. Planned, wrote and delivered a course on VMware vSphere
- D. Planned, wrote and delivered a course on computer maintenance
- E. Planned, wrote and delivered training material on C, C++, Java and Python
- F. Continuing research in information technology (IT)
- G. Continuing research in computer programming
- H. Continuing research in computer architecture
- I. Continuing research in teaching methods
- J. Continuing research in educational theories
- K. Continuing research in Microsoft operating systems
- L. Continuing research in Linux based operating systems
- M. Continuing research in the areas of cybersecurity best practices
- N. Continuing research in physical, site security best practices
- O. Continuing research in the areas of human social behavior and interaction
- P. Continuing research in aerospace design as related to IT
- Q. Continuing research in optics as related to IT
- R. Continuing research in industrial automation as related to IT
- S. Continuing research in artificial intelligence and neural nets as related to IT
- T. Continuing research in industrial internet of things (IIoT)
- U. Continuing research in manufacturing processes as related to IT
- V. Continuing research in composites and other materials as related to IT
- W. Continuing research in social science as related to IT
- X. Continuing research in organizational theory as related to higher education
- Y. Continuing study of the Idaho State 5-Year Plan (Perkins Act)
- Z. Continuing study of the Carl D. Perkins Career and Technical Education Act
- AA. Continuing study of Lewis-Clark State College's Policies and Procedures
- BB. Continuing study of the COVID-19's impact on post-secondary education
- CC. Continuing research in implementing effective distance learning strategies