

South Central Coast Regional (SCCRC) Virtual Labs SWP 2019/2020 Return on Investment

Virtual Labs: What is it?

Cloud based virtual labs represent the full functionality of a real-world environment – Software as a Service (SAAS). This initiative allows SCCRC to achieve economy of scale while expanding educational offerings rather than incurring high capital cost for current technology at individual colleges, saving each college money. **Practice Labs** is the current product of choice.

Virtual Labs: How it Benefits our Region?

- Ability to provide on-demand labs, which increases enrollment, leading to more FTEs.
- 24/7 Technical support for faculty and students with **no additional operational FTE cost to colleges.**
- Equity: Increases access to those who may not be able to attend at a campus location. Chromebook with internet connection (\$100 value) or public computer locations will provide secure access.
- Remains current without additional regional or college cost.
- Supports Credit, Noncredit, fee based, and articulation endeavors.
- Easy to terminate without ending up with obsolete equipment or over staffing.

Virtual Labs: What are the Current and Expected Outcomes?

- Increase number of students per course and course offerings – ***based on 10 faculty responses across the region**

	Fall 2017 (Pre- Practice Labs)	Fall 2018 (Initial Semester of Practice Labs)	Expected to enroll Fall 2019
Cloud Survey	25	25	30
CNIT R151 - Cloud Computing and Services			20
CompTIA A +	73	92	121
CompTIA Linux + LX0-103	67	72	81
CompTIA Network+	90	95	132
CompTIA Security +	50	75	127
Computer Forensics and Investigations	10	8	40
Ethical Hacker	19	8	65
HTML5 Application Development Fundamentals	60	60	60

Deputy Sector Navigator for ICT/DM

Installation Storage and Compute with Windows Server 2016	1	30	45
Interconnecting Cisco Networking Devices Part 1	85	85	94
Intro to IT / IT Essentials	55	55	60
M05 - Net Fundamentals	24	28	35
M13 - TCP/Ip Protocols	24	30	35
M19 - ICND2	15	20	22
M86- Palo Alto Firewalls	0	0	24
Practice Labs Introduction to Wireshark	20	32	65
Security+	0	8	20
Software Development Fundamentals	60	60	60
VMware Certified Professional 6 and Data Center Virtualization	12	0	44
Windows Desktop Certifications	48	52	76
Windows Server 2008 Active Directory Configuring	50	50	55
Faculty Comments:			
Please note that we are teaching Win Server 2016. We may also start using Microsoft SQL Server and our COMP Department is currently looking at the MOS labs.			
Note: Summer school courses impact Fall, Spring enrollments.			

- Increase Faculty productivity using Practice Labs
 - Time spent on Lab setup reduced by 20-100 hours per course.
 - Instructional time reduced by 50- 100 hours per course.
 - Practice Labs (Virtual Labs) will serve as a resource to support Guided Pathways, Dual Enrollment, and/or Concurrent Enrollment.

Virtual Labs: What is the Local ICT Demand that can utilize our regional lab?

- Source: Occupations by Location EMSI

County	Name	2018 Jobs	2025 Jobs	Annual Openings	2018 - 2025 Change	2018 - 2025 % Change	Avg. Hourly Earnings
Ventura		37,335	37,637	4,012	302	1%	\$24.67
Santa Barbara		26,367	27,287	2,947	920	3%	\$25.71
San Luis Obispo		16,455	17,616	1,997	1,161	7%	\$20.42
Northern LA County		27,353	28,107	3,061	754	3%	\$24.29

Virtual Labs: What is the money spent on?

- Contracting with Virtual lab provider for lab usage, 3rd party licensing, 24x7 technical support for students and faculty, custom labs, and usage/progress reports for faculty.