SALT LAKE
TECH ⚛ SLCC
TELV 1100 *BICSI Installer 1*

Instructor: TBD
Phone: TBD
E-mail: TBD

TEXTBOOK AND SUPPLIES:
- BICSI Information Technology Systems Installation Methods Manual (ITSIMM), 8th Edition

PREREQUISITE: None

OTHER REGISTRATION RESTRICTION(S): It is highly recommended that students be registered with DOL by their Sponsor (employer)

COURSE DESCRIPTION: In this course, students will be introduced to the current methods of installing information & communication technology (ICT) cabling in a commercial building structure. Skillsets include pulling cable, terminating, and testing copper and coaxial cable. In addition, students will prepare to take the credentialing exam. *SLCC is a BICSI-authorized training facility.*

Upon successfully completing this course, students should be able to:

1. Conduct field planning, implementation, and design, including types of copper and fiber cables, interpreting blueprints, inventory, safety compliance, and labeling scheme
2. Establish pathways and space for building telecommunication spaces, installing cable support systems, and preparing telecommunication outlets
3. Sep up and pull copper and fiber cables
4. Perform pre-termination functions, install correct hardware, and perform coax and fiber termination
5. Perform copper cable testing, troubleshooting, and retrofitting
6. Provide structure cabling systems (SCS) to support the installation of other systems (i.e., paging, sound masking, clock, nurse call, BAS, life safety, elevator)
7. Adhere to local, state, and federal fire and building codes and standards

COURSEWORK:
- **Weekly Homework:** You are expected to come to class prepared with your weekly readings and assignments.
- **Weekly Quizzes:** Take and submit online in Canvas.
    - Weekly quizzes will be taken online in Canvas. You are allowed two attempts with the higher score recorded.
- **Attendance/Participation:** Attendance is expected and crucial to understanding the material and participating in classroom activities. Attendance and participation will be recorded daily and included as part of your coursework grade. 95% attendance is required, which means you are allowed one excused absence.
- **Final Exam:** The final exam will be comprehensive.
- **Lab Projects:** Completion of related lab projects will be required. Missed projects must be coordinated with the instructor and made up.

GRADES: Final grades will be calculated using the following scale and weights.

A	93% and above	C	73% – 78.9%
A-	90% – 92.9%	C-	70% – 72.9%
B+	87% – 89.9%	D+	67% – 69.9%
B	83% – 86.9%	D	63% – 66.9%
B-	80% – 82.9%	D-	60% – 62.9%
C+	77% – 79.9%	E	below 60%

Homework	20%
Quizzes	20%
Final exam	25%
Weekly lab activities	25%
Attendance/participation	10%

Schedule (Subject to change)

WEEK	DAY 1	DAY 2	ASSIGNMENTS
1	• Codes and Standards • Safety • Structure Cabling Systems (SCS)	Field Planning, implementation, and design • Properties and types of copper cable and fiber • Interpreting blueprints • Inventory job supplies and materials • Labeling scheme	TBD
2	Establish Pathways and Spaces • Build telecommunication spaces (e.g., TRs, ERs, EFs, TEs) • Install bonding infrastructure • Install cable support systems	Establish Pathways and Spaces • Prepare a telecommunication outlet at wall • Install cut-in rings (cavity box)	TBD
3	Establish Pathways and Spaces • Prepare a telecommunication outlet at floor • Prepare telecommunication outlet at utility column, and modular furniture • Prepare telecommunication outlet at other locations (e.g., ceilings, hazardous, exterior)	Establish Pathways and Spaces • Install sleeves, cores, and slots • Install poke throughs • Install cable trays, ladder racks and continuous cable support systems • Install non-continuous cable supports	TBD

WEEK	DAY 1	DAY 2	ASSIGNMENTS
4	Establish Pathways and Space • Install raceways • Install cable support systems under the floor • Install inner duct for fiber (ENT) • Install firestop and smoke barrier system	Pull Copper and Fiber Cable • Set up cable pulling • Installing pull string or rope in conduit	TBD
5	Pull Copper and Fiber Cable • Pull horizontal telecommunication outlet cable (conduit) and cable in an open ceiling	Pull Copper and Fiber Cable • Pull backbone - riser from the top down • Pull backbone – riser from bottom up • Pull backbone - horizontal backbone	TBD
6	Terminating Copper and Fiber Cable • Pre-termination function • Install correct connecting hardware for copper and fiber terminations	Terminating Copper and Fiber Cable • Copper IDC termination (multi-pair) • Copper IDC termination (four-pair) • Coax termination • Fiber termination	TBD
7	Test Copper and Fiber Cable 1. Copper cable testing	Troubleshooting • Copper cable troubleshooting	TBD
8	Retrofits 1. Remove abandoned cable	• Wrap-up • Final	TBD

WITHDRAWAL POLICY: The College's withdrawal schedule is followed. No withdrawals will be approved beyond the drop date.

COMMUNICATION and FEEDBACK EXPECTATIONS: Email is the best way to communicate with your instructor through the Canvas Inbox. You can expect to receive responses to emails within 24 business hours. You can expect that projects and exams will be graded and recorded within one week of when the assignment was submitted. Keep the line of communication open to avoid any misunderstandings.

ELECTRONIC DEVICES IN THE CLASSROOM: No video or audio recording in the classroom is allowed without written authorization from the instructor. Cell phones and other electronic devices should be silent and off the desk during class except to take notes if it is not distracting to classmates. In case of an emergency, exit the classroom to use your cell phones. Disruptive behavior will cause you to be excused from class and lose participation points. Please let your instructor know of any special circumstances at the start of the semester.

SAVE YOUR WORK: In case of human or computer errors, it is recommended that you save all coursework until you have received a final grade.