

St. Cloud Technical & Community College

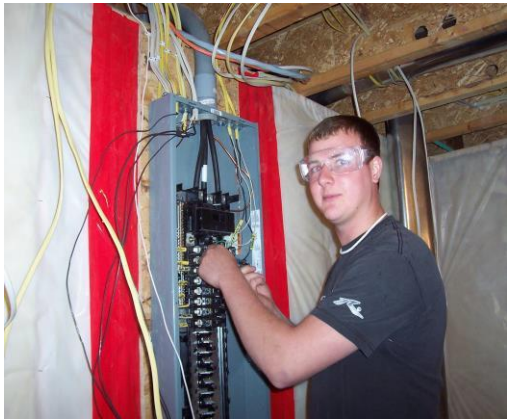


Electrical Construction Technology

Incoming Student Registration Packet for students beginning Fall 2023

Section 1 student packet

All info in this packet is informational only and is subject to change.



Student Schedules

Fall 2023

Section 1

HOUR	MON.	TUE.	WED.	THUR.	FRI.
8 a.m.		Wiring 384A	Wiring 377	Wiring 384A	Wiring 384A
9 a.m.		Wiring 384A	Wiring 377	Wiring 384A	Wiring 384A
10 a.m.		Principles 384B	Principles 384B	Principles 384B	Code 371
11 a.m.		Principles 384B	Principles 384B	Principles 384B	Code 371
12 a.m.					
1 p.m.		Drafting 379	Code 371	Drafting 379	Code 371
2 p.m.		Drafting 379	Code 371	Drafting 379	Code 371

Section 2

HOUR	MON.	TUE.	WED.	THUR.	FRI.
8 a.m.		Principles 384B	Principles 384B	Principles 384B	Principles 377
9 a.m.		Principles 384B	Principles 384B	Principles 384B	Principles 377
10 a.m.		Wiring 384A	Wiring 377	Wiring 384A	Wiring 384A
11 a.m.		Wiring 384A	Wiring 377	Wiring 384A	Wiring 384A
12 a.m.					
1 p.m.		Code 371	Drafting 379	Code 371	Drafting 379
2 p.m.		Code 371	Drafting 379	Code 371	Drafting 379

Student Club

Minnesota Electrical Student Association

MESA

Membership: \$20/year

Activities/student benefits (2009-2023)

- free T-shirt, hat or tool with every paid membership*
- pizza party*
- wild game feed*
- hog roast*
- service to community day (roadside pickup)*
- various club challenges*
- participate in SCTC Student Senate*
- Skills USA competition*

Sandbagging at Fargo/Moorhead



Great River Energy Tour



Congratulates to SCTCC students Steph Massman and Jorgan Kiley

*Steph—Minnesota Skills Residential Wiring 1st Place and
National Skills USA 2nd Place!!*

*Jorgan—Minnesota Skills Industrial Motor Controls 1st Place and
National Skills USA Champion!!*

2021—Congrats to both students!!



Tools & Books

First Year Electrical Students

Required Books: (Prices are for new texts, and are subject to change)

1. National Electrical Code 2023 edition..... \$90.00
2. Residential Wiring (Mullin) 21st edition.....\$135.00
3. Delmar's Standard Text of Electricity 8th edition... ..\$150.00
4. Drafting Kit... ..\$35.00
5. Misc, Folders, Binders,\$30.00
6. Understanding the NEC volume 1(2023--Mike Holt)... ..\$TBD

St. Cloud Technical & Community College Student Tool list (subject to change)

The expectation is that students arrive on the first day of class with a complete tool list. Viking Electric is the preferred vendor. See handouts for ordering info.

<u>STOCK NO</u>	<u>DESCRIPTION</u>	<u>PRICE EA</u>
IDE 37071	TOOL BELT KIT	\$ 86.23
IDE 35285	Electrician's Knife	\$ 38.71
IDE 35426	7" Tongue & Groove Plier - Dipped Grip	\$ 17.29
IDE 35420	9-1/2" Tongue & Groove Plier - Dipped Grip	\$ 21.47
IDE 303038	8-1/2" Long-Nose w/Cutter - Smart-Grip™	\$ 25.73
IDE 303435	9-1/2" Linesman Plier w/NE, Crimp Die & Fish Tape	\$ 35.28
IDE 35020	Adjustable Wrench, 8"	\$ 22.80
IDE 303029	8" Diagonal-Cutting Plier, Angled Head,Smart-Grip™	\$ 29.52
IDE 35238	30' Mag-Tape™ Measure w/Magnetic Tip, Self-Locking	\$ 25.69
IDE 35186	Cabinet Tip Screwdriver, 3/16" x 6"	\$ 8.28
IDE 35164	HD Keystone Tip Screwdriver, 1/4" x 4", Rnd Shank	\$ 9.84
IDE 35156	HD Keystone Tip Screwdriver, 5/16" x 6", Sq Shank	\$ 9.04
IDE 35194	Phillips Screwdriver, #2 x 4"	\$ 8.42
IDE 36243	Electronic Screwdriver, Cabinet Tip, 1/8" x 6"	\$ 14.27
IDE 35908	7-in-1 Twist-a-Nut™ Screwdriver/Nutdriver	\$ 11.43
IDE 35205	Torpedo Level, 9 Inch	\$ 18.91
IDE 45120	T®-5 Stripper	\$ 11.90
IDE 45621	Reflex™ Super T®-Stripper, Dual NM	\$ 23.84
IDE 35210	Drop-Forged Handled Hammer, 18 oz.	\$ 31.06
IDE 61757	600A AC/DC TRMS ClmpMtr,TightSit,w/Flashlt,NCV&Tmp	\$ 106.83
IDE 61517	Receptacle Tester w/GFCI & Voltage Readout	\$ 19.49
IDE 61657	Dual Range 12 to 1000V AC NCVT w/Flashlight	\$ 25.24
IDE 35260	Heavy Duty Hacksaw, Combination	\$ 39.20
IDE 35083	Twist-a-Nut™ Conduit Deburring Tool, Slotted Tip	\$ 31.19
IDE 35274	Folding Saw with Bi-Metal Blade	\$ 18.48
MILW 48-22-3100	INKZALL FINE POINT MARKER	\$ 0.97
MILW 48-32-4004	32 PIECE SHOCKWAVE BIT SET	\$ 15.25
3M 11326-00000-20	3M CLEAR W/CLR TEMPLE	\$ 1.24

1. **Safety Glasses. Must have safety glasses before you can enter Electrical Lab area.**
2. Hard Hat. Students will be required to purchase a hard hat for the second year of the program.
3. Work gloves. Students need a pair of skin tight work gloves.
4. Hand tools. A request for a bid was sent out to the various tool vendors. The vendor with the lowest \$\$ will be on campus during the first week of school for Student Tool Day. In efforts to keep the basic cost down, the vendors will bid on a basic package, (enough to get through the program). However during the first few days of the course, students will be advised on possible upgrades that many electricians use.
5. **** The cost for all of the above will be approximately \$650-1200. (Based on 2022.)

Below: SCTCC students receiving Arc Flash train and Lift Training.



Below: Students working on projects in the SCTCC Electrical Lab.





A member of Minnesota State

Diploma or AAS? Advantages & Disadvantages

The Diploma has 7 required general studies credits	The AAS degree has 15 General Education, & 1 general studies credits
The diploma's general studies credits do not transfer to AAS	ENGL 1302 & DVRS 1304 transfer to Diploma
Less time required.	More time required. Hard to complete within two years
\$\$\$\$ Less expensive	\$\$\$ More expensive
Most Electrical students with goal of becoming a construction electrician choose diploma	Students that are considering furthering their education at a University should consider the AAS

Diploma:

- i. Six General Studies or General Education Electives Credits are needed.
(Reminder: General Studies Credits do not transfer to AAS Degree.)

Suggested AAS:

Speech Communication: CMST 1320 Intro to Speech Communications
 Written Comm: ENGL 1302 Analytical Writing
 Mathematics: Math 1300, Math 1320, Math 1330, Math 1340, Math 1350.
 Humanities: various.....
 Electives: DVRS 1304 Diversity & Social Justice

Notice!!

First Week!!! August 21st-25th

**All first year Electrical students to meet on
Monday, August 21st from 8 am to noon**

**Students will attend scheduled Gen Ed/Studies class
on Monday, therefore, Monday conflicts are okay.**

**Show up in Room 384 as you are able –
we'll work around your classes.**

Student Schedules

Fall 2023 First Week only!

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Section 2

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8 a.m.	Principles 377	Principles 384B	Principles 384B	Principles 384B	
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Registration

Section 1 students only

Directions:

1. From a computer station, bring up the school homepage, sctcc.edu
2. Click on Quick Links - Course Schedule
3. Enter STAR ID & Password (you may have to change your password)
4. Choose Courses & Registration
5. Choose Quik Add to register
6. Enter the four registration codes listed below.
8. Register. If done, print a copy for yourself.
9. If you need to get into a general studies or general education class:
 - a. Choose 'Search for a course'
 - b. Check if the time will fit into your class schedule.
 - c. If it works, click on the Add / + button – adds to Wish List; click on 'Continue to Review My Plan' and register
10. See advisor if there are problems.

Students are encouraged to enroll in a General Education or General Studies Elective during the fall semester.

Course ID		Course Name	credits
000055	<i>ELEC1502.01</i>	<i>Basic Wiring & Materials</i>	5
000036	<i>ELEC1510.01</i>	<i>National Electrical Code I</i>	2
000038	<i>ELEC1518.01</i>	<i>Applied Elect. Principles & Formulas</i>	5
000053	<i>ELEC1523.01</i>	<i>Drafting & Blueprint Reading</i>	4
<i>See online info. See online info.</i>	<i>Diploma Students</i>	<i>Students need 6 credits of General Education/studies credits to graduate. Suggest taking one 3 credit class this semester (unless you have this requirement Complete).</i>	

Section 1 – See above Notice for week 1

HOOR	MON.	TUE.	WED.	THUR.	FRI.
8 a.m.		1502	1502	1502	1502
9 a.m.		1502	1502	1502	1502
10 a.m.		1518	1518	1518	1518
11 a.m.		1518	1518	1518	1518
noon					
1 p.m.		1523	1510	1523	1510
2 p.m.		1523	1510	1523	1510