

NCTC Advising FAQ for Electrical Technician, Industrial Mechanics, Heating, Ventilation and Air Conditioning, Machining Technology, and Welding Technology

[Career and Technical Programs](#)

1. What classes are in these Certificates and Degrees?

While we offer multiple technical pathways, which one you will follow and how closely you stick to it is dependent on the requirements for the program:

- **Electrician Technology** – OSA (Occupational Skills Award): <https://www.nctc.edu/career-technical-education/industrial-technology/electrical-technician.html>
- **Engineering Technology**: <https://www.nctc.edu/career-technical-education/engineering-technology.html>. *Engineering Technology is for students wanting to pursue a career in drafting.*
- **Heating Ventilation and Air Conditioning**: <https://www.nctc.edu/career-technical-education/industrial-technology/hvac.html>
- **Industrial Mechanics**: <https://www.nctc.edu/career-technical-education/industrial-technology/industrial-mechanics.html>
- **Machining Technology**: <https://www.nctc.edu/career-technical-education/industrial-technology/machining.html>
- **Welding Technology**: <https://www.nctc.edu/career-technical-education/industrial-technology/machining.html>

2. Is this degree transferable?

Yes! The Associate of Applied Science degree will transfer to several universities through AAS to BAAS transfer programs. This applies to all of the AAS degree listed above. For more information and a list of participating institutions, please review the AAS to BAAS Guided Pathways: http://ntxccc.org/pathways?field_aas_school_tid%5B%5D=7

Certificates do not transfer directly to a university, but they do all feed directly into the correlating AAS degree program. Then, once you have completed the AAS, you may transfer into a BAAS or other relevant bachelor's degree program at a university.

However, they may need to be tailored for the specific program you are wanting to go into to. Working with both your advisor at NCTC and a transfer advisor at your transfer institution is important to make sure the process is as seamless as possible. For example, it may be possible to complete all of your required 42 hours of core curriculum at NCTC along with all your technical curriculum and then only have one year at a university to complete a bachelor's degree.

3. Do I have to take my classes in sequence?

Yes! The sequence of technical courses is very important as they build your skills up from foundational to more advanced. Some examples of course sequencing are:

HVAC – HART1307 & HART1301 have to be taken before HART1356, HART1341, HART2341

WLDG – WLDG1313 & WLDG1407 have to be taken before WLDG2413 & WLDG1427

INMT – INMT1305 & HYDR1345 have to be taken before INMT2302

MCHN – MCHN1338 has to be taken before MACH1341

ELPT – ELPT1319 & EPT1341 have to be taken before ELTP2305 & ELPT2319

4. How long will it take me to complete the Certificate or Associate of Applied Science degree?

Certificate programs are designed to be completed in one year (3 semesters)-Fall, Spring and Summer.

Associate of Applied Science degrees take around 2 years (5-6 semesters). However, this depends on whether or not you need to take pre-requisites or extra courses, how many credit hours you take per year (or semester), and sequencing of courses (as some courses are only offered during certain semesters). While they can certainly be completed within 2 years, it is not uncommon for these degree pathways to take up to 3 years, even as a full-time student. The goal is to make sure you are taking your classes in a way that you can be successful, and for many students that means not rushing through any academic requirements that may be a part of your program such as Math or English.

5. How can I complete this degree? Can it be done online and/or is this degree campus specific?

Generally, none of these pathways can be done completely online as they are very hands-on. However, most of your academic courses can be taken online, limiting the amount of time spent on campus if needed. While there is some flexibility on where and how you take your classes, there will be some required courses that are only offered at the certain campuses so, please be aware of that.

- Most of the technical/hands-on classes are on the Gainesville, Bowie and Graham campuses. For Engineering Technology, the majority of your courses will be taken in-person on the Corinth campus, with a couple of classes taken online.
- Academic/General Education courses can be taken either online or in-person at any of our six campus locations.

6. Can I use my Financial Aid for the Certificate and Associate of Applied Science degree?

Absolutely! As long as you are staying on plan and in a Certificate or AAS major (Occupational Skills Awards are not aid eligible, however your advisor can help you declared the related Certificate major). You will work with your advisor to create a plan that works best for your graduation and transfer requirements.

7. Will the credits I have from another college be applied to this degree and how do I apply them?

This will vary, pending on where and when you took them, and whether or not the courses you took apply to your degree pathway. To have your transcripts evaluated to transfer in any applicable credits, you will need to complete a [Transcript Evaluation Request](#). Transfer credits are NOT automatically evaluated and applied. While you are waiting on your transcripts to be evaluated, you are able to work with your advisor to verify pre-requisites and to pick classes you don't possibly have credit for already.

8. Which [NCTC advisor](#) or faculty can I contact for more information?

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10. Where can I access the recording of the Electrical Technician, Industrial Mechanics, Heating, Ventilation and Air Conditioning, Machining Technology, and Welding Technology Q&A session with NCTC advisors and faculty?

Just click the image below or visit [NCTC Student Life on YouTube](#) to locate any number of great videos!

