

# Tiknoolajiyada Qalabka Mashiinka

[ridgewater.edu/machinetool](http://ridgewater.edu/machinetool)



Campus-ka (Xarunta) Hutchinson iyo Campus-ka (Xarunta) Willmar Bilowga Guga 2022

## Barnaamijka

Barnaamijka Tiknoolajiyada Qalabka Mashiinka ayaa wuxuu siinayaa fursado ragga iyo dumarka ku hammiyaya inay ku raacdaan shaqooyinka wax soo saarka ee takhasusyo kala duwan, iyadoo la shaqaynaya mashiino fara badan oo wax jaraya, qaabeeya oo qoda birta ama qaybo caag ah. Raaco mustaqbalka ka shaqaynta mashiinka oo aqoon u yeelo:

- Hab dhaqanka wax soo saarka badbaadada ah
- Rakibaadda iyo ka shaqaynta manual lathes, makiinadaha, iyo mashiinada dusha wax shiida
- Dejinta barnaamijyada, rakibidda iyo ku shaqaynta mashiinada Maaraynta Lambarada ee kumbuyuutarka (Computer Numerical Control (CNC)) iyo xarumaha Daaritaanka
- Adeegsiga softiweerka kombiyuutarka lagu caawiyo waxsoosaarka (CAM) si aad u abuurto barnaamijyo loogu talagalay mashiinada CNC
- Hawlgalinta qalabka cabbirka saxda ah iyo qalabka baaritaanka
- In aad u fikirto habka falanqaynta xalinta dhibaata

## Fursadaha barnaamijka:

### Wax Soo Saarista Saxda ah ee CNC

- Diirada saar fulinta barnaamijyada ee gacanta iyo mida kombiyuutarka lagu caawinayo, rakibidda, iyo ku shaqaynta qalabka CNC
- Indha indhayn ku samee softiweerkii ugu dambeeyay ee CAM ee ay soo saaraan barnaamij sameeyayaal hormood ah

## Astaamaha Gaarka ah ee Barnaamijka

- Warshadaha aan la leenahay iskaashiga adag ayaa waxay bixiyaan deeqo waxbarasho waxayna shaqaaleeyaan ardayda tababaraysa iyo qalinjabiyayaasha
- Kordhinta bixinta koorsooyin khadka internetka ah ee loogu talagalay ardayda ku mashquulsan shaqada iyo qoysaska
- Ku shaqee goob nadiif ah, jawi shaqo oo casri ah

## Farsamoyaqaanka Mashiinka

- Kasbo xirfadaha aasaasiga ah ee wax kasta laga bilaabo xirfadaha qalabka ee aasaasiga ah illaa fulinta barnaamijyada CNC iyo CAM

## Goor dhow imaan doona Campus-ka Willmar

Si looga caawiyo daboolitaanka baahida sare ee ka jirta bartamaha Minnesota ee xirfadaha CNC, Ridgewater waxay ku soo dari doontaa barnaamijkeeda Qalabka Mashiinka CNC xarunta Willmar laga bilaabo Guga 2022, iyadoo la bixinayo Dibloomada Farsamoyaqaanka CNC oo 32 dhibcood ah.

## Macluumaadka Xirfadda

Qalinjabiyayaashu waxay ku raaxaysteen shaqo ku meelayn 100% ah dhowr sano. Aragtida koritaanka shaqada ee howl-wadeenka qalabka mashiinka CNC ee bartamaha Minnesota ee 2018-2028 waa 7.5%, oo ka sarreeya celceliska gobolka. Saadaasha shaqo ee mashiinyaqaanka guud ee isla deegaankan iyo wakhtigani waa 15.5%.

Xigasho: [careerwise.minnstate.edu](http://careerwise.minnstate.edu)

## Shahaadooyinka

Farsamoyaqaanka Wax Soo Saarista Saxda ah ee CNC

- AAS Degree - 67 dhibcood
- Dibloomada - 64 dhibcood
- Sartifikeedka - 18 dhibcood

Farsamoyaqaanka CNC

- Dibloomada - 32 dhibcood CUSUB
- Bilaabanaya Guga 2022

Farsamoyaqaanka Mashiinka

- Dibloomada - 32 dhibcood

## Ballan u samayso Booqasho & Codso Maanta!

[ridgewater.edu/visit](http://ridgewater.edu/visit)  
[ridgewater.edu/applynow](http://ridgewater.edu/applynow)

Galay Kaalinta #1 ee Kulliyadaha Bulshada ee Minnesota iyo 20ka Ugu Sarreeya Maraykanka, 2020 & 2021 [niche.com](http://niche.com)

## Barnaamijyada La Xiriira

Nidaamka tiknoolajiyada iswada & Robodyada

Qoritaanka iyo Naqshadeynta Kombiyuutarka Lagu Caawinayo

Tiknoolajiyada tijaabin aan Burburin Keenaynin

Alxanka



**RIDGEWATER**  
COLLEGE

Xubin katirsan Gobolka Minnesota

Ridgewater College waa tallaabo xaqiijin ah, shaqo bixiye iyo waxbare fursado loo simanyahay. Dukumi-intigaan waxa lagu heli karaa qaabab kale oo loogu talagalay shaqsiyaadka naafada ah; macaamiisha qaba naafonimada maqalka ama hadalka ayaa nagula soo xiriiri kara iyadoo adeegsanaya Adeegga Lalisks ee ay Doortaan. 5/2021 P285

Maajo 2021: Tarjumadan waxaa maalgelisay deeqda RC Perkins grant. Si aad u hesho macluumaadkii ugu dambeeyay ee barnaamijka, booqo [ridgewater.edu](http://ridgewater.edu) oo ka dooro turjubaanka Luqadda ee af Soomaaliga.

# Machine Tool Technology

[ridgewater.edu/machinetool](http://ridgewater.edu/machinetool)



Hutchinson Campus  
and Willmar Campus Starting Spring 2022

## About the Program

The Machine Tool Technology program offers opportunities for ambitious men and women to pursue manufacturing careers in various specialties, working with numerous machines that cut, shape and drill metal or plastic parts. Pursue a future in machining and become proficient in:

- Safe manufacturing practices
- Set up and operation of manual lathes, mills, and surface grinders
- Programming, set up and operation of Computer Numerical Control (CNC) machining and turn centers
- Use of Computer-Aided Manufacturing (CAM) software to generate programs for the CNC shop machines
- Operation of modern precision measuring and test equipment
- Critical thinking for problem-solving

### Program options:

#### CNC Precision Manufacturing

- Focus on manual and computer-assisted programming, setup, and operation of CNC equipment
- Explore the latest CAM software provided by a leading developer

## Program Distinctions

- Networking and career exploration with excellent manufacturing machine shops
- Strong industry partners provide scholarships and hire interns and graduates
- Expanding online course offerings for students juggling work and family
- Work in a clean, modern work environment
- New mentorship experience maximizes student learning and experience

## Machining Technician

- Gain fundamental skills in everything from basic shop skills to CNC programming and CAM

### Coming Soon to Willmar Campus

To help meet central Minnesota's high demand for CNC skills, Ridgewater will expand its Machine Tool Technology program to the Willmar campus beginning Spring 2022, offering a 32-credit CNC Technician Diploma.

## Career Info

Graduates have enjoyed 100% placement for several years. CNC machine tool operator job growth outlook in central Minnesota for 2018-2028 is 7.5%, above the state average. The outlook for general machinists for the same region and time is 15.5%.

Source: [careerwise.minnstate.edu](http://careerwise.minnstate.edu)

## Degrees and Certificates

CNC Precision Manufacturing Technician  
AAS Degree - 67 credits  
Diploma - 64 credits  
Certificate - 18 credits

CNC Technician  
Diploma - 32 credits NEW  
Beginning Spring 2022

Machining Technician  
Diploma - 32 credits

## Schedule a Visit & Apply Today!

[ridgewater.edu/visit](http://ridgewater.edu/visit)  
[ridgewater.edu/applynow](http://ridgewater.edu/applynow)

Ranked Minnesota's  
#1 Community College  
and US Top 20,  
2020 & 2021 *niche.com*

## Related Programs

- Automated & Robotic Systems Technology
- Computer-Aided Drafting and Design
- Nondestructive Testing Technology
- Welding



**RIDGEWATER**  
COLLEGE

A Member of Minnesota State

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