

# Degree Schedule – Graduate Certificate in Network and Communication Systems

Due one semester prior to completing certificate requirements. Complete form, obtain signatures, and then upload to [Canvas](https://mtu.instructure.com/courses/286200/modules) (preferred) or email to [gradschool@mtu.edu](mailto:gradschool@mtu.edu). Your [Degree Completion Timeline](https://mymichigantech.mtu.edu/web/home-community/current-students?p_p_id=GradDegreeStatus_WAR_EAS_Grad_Degree_Statusportlet&p_p_state=maximized&launch=Y) lists all items needed for your degree.

This is a 9-credit certificate.

The graduate Certificate in Network and Communication Systems is designed to develop advanced skills in computer networking analysis, design of computer communication systems, and the use of networks and communications systems in engineering applications. The certificate in Network and Communication Systems requires students to take three courses from a list of approved courses, with a maximum of three credits at the 4000- level.

## Student Information

Complete the information requested below.

Name Last or Family Name, First Name or FNU

M-Number (M12345678) M

Your name will be printed on your certificate as it appears in our University records with either your legal or preferred name. Please choose how you would like your name to appear on your certificate and type it in full. Students may contact the Registrar’s Office to change their preferred name; employees may contact Human Resources.

Selection for name Choose an item.

Typed name Name as it should appear on diploma

## Certificate Mailing Information

Your certificate will be mailed approximately six to eight weeks after the semester that all requirements have been met to the person and address that you provide below. If you request mailing to an address that you do not reside at, please indicate “in care of” and the name of the person living at the address. Please note that this will not update your regular mailing address at the University.

Mailing address Enter name and address of the person to mail your certificate

## Accelerated Certificates

Certificate programs may allow up to three (3) credits earned while an undergraduate at Michigan Tech to be used to fulfill the requirements of their bachelor’s degree and graduate certificate. To earn an accelerated certificate, students must:

* [apply for admission](https://www.mtu.edu/gradschool/prospective/apply-now/) to the certificate program following current procedures,
* follow all current policies regarding the reuse of credits, and
* mark the accelerated class(es) with “AC” in the “Semester and Year Taken” column in the tables below.

## Elective Coursework (9 Credits)

In the table below, mark the classes taken for the certificate with the semester the credits were earned.

| Semester and Year Taken | Course Number | Course Title | Number of Credits |
| --- | --- | --- | --- |
| Semester | EE 4250 | Modern Communication Theory | 3 |
| Semester | EE 4272 | Computer Networks | 3 |
| Semester | EE 5365 | In-Vehicle Communications | 3 |
| Semester | EE 5525 | Wireless Communications | 3 |
| Semester | EE 5527 | Digital Communications | 3 |
| Semester | EE 5726 | Wireless Sensor Networks | 3 |

## Coursework Substitutions

Fully complete the table with the information requested. Include any courses for the certificate that are not named in the above tables. Approval of courses not listed above is at the discretion of the program granting the certificate.

| Semester and Year Taken | Course Number  ex: CH5555 | Course Title  Include the course number (as listed above) of the substitution and a brief rationale.  The table will expand to fit your text. | Number of Credits |
| --- | --- | --- | --- |
| Semester | Course Number | Course number of substitution, and rationale | Credits |
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## Approval Signatures

Obtain signatures from the certificate program, then upload signed form to [Canvas](https://mtu.instructure.com/courses/286200/modules) (preferred) or email to [gradschool@mtu.edu](mailto:gradschool@mtu.edu). The Graduate School approves the form after receipt and verification.

Type name of approver

Department Chair of Electrical & Computer Engineering OR Date

Graduate Program Director of Network and Communication Systems

**Graduate School Use Only:** Total Credits:

AS  ACC  RCR  SFAREGS, SHADEGR, SHADIPL, SZAGDGR