![Waubonsee Community College logo]

CURRICULUM COUNCIL MEETING
Thursday, October 24, 2024
2:30 PM

Zoom meeting — https://waubonsee.zoom.us/j/8099211706

AGENDA

Faculty Presenters and Guests
Guy Tiberio, Associate Professor of Automotive Technology
Tyler Friedland, Assistant Professor of Automotive Technology
Cayla Fuechsl, Instructor of Automotive Technology
Eamon Newman, Instructor of Information Systems
Amy Chaaban, Professor of Information Systems
Timothy Moriarty, Associate Professor of Information Systems
Jason Rochon, Assistant Professor of Computer Information Systems and Cybersecurity
Dr. Nancy Christensen, Associate Professor of Chemistry
Dr. Sheela Vemu, Associate Professor of Biology

As a reminder, only Curriculum Council members are eligible to vote in the polls that will be presented at the meeting. Ex-Officio members and guests are not eligible to vote.

Provost
Dr. Diane Nyhammer

      Introductions

      Call to Order

Learning Outcomes, Curriculum and Program Development
Dean: Dr. Kathleen Gorski

      Announcements

Academic Support
Dean: Jessica Moreno

      No Submissions

Business, Technology, and Workforce Education
Assistant Provost and Executive Dean: Ne'Keisha Stepney

Automotive Technology: Originators – Tyler Friedland and Guy Tiberio

1. NEW Course
   (Second Read Required — Vote on November 14th):

   AUT 255 Comprehensive Diagnostic Principles
   1 lec/5 lab, 3.0 semester hours.

   Effective date: Fall 2025

   Summary of Changes: New course is being added to the following programs: Automotive Service Technology A.A.S., Automotive Maintenance Occupational Certificate, Engine Performance Occupational Certificate, Automotive Electrical/Electronics Occupational Certificate, Automotive Transmission and Driveline Occupational Certificate, and NEW Hybrid and Electric Vehicle Certificate of Achievement Certificate.

   Rationale: Course was developed to examine modernized diagnostics tools used in the industry.

2. Major Course Revisions:

   AUT 100 Maintenance and Light Repair
   1 lec/2 lab, 2.0 semester hours ***TO*** 1 lec/5 lab, 3.0 semester hours

   AUT 249 Hybrid and Electric Vehicle Systems
   1 lec/5 lab, 3.0 semester hours

   AUT 250 Light Duty Diesel Service and Repair
   1 lec/5 lab, 3.0 semester hours

   Effective date: Fall 2025

   Summary of Changes: Updates to course descriptions, AUT 249/AUT250 recommended prerequisites, outcomes, assessment of student learning, and topics. Course objectives deleted. AUT 100 lab hours are being changed from 2 to 5.

   Rationale: Courses currently aren't meeting the needs of the students. They have been revised to stay up-to-date with employers and industry trends.

3. Minor Course Revisions:

   AUT 232 Advanced Brakes and Suspension Systems
   1 lec/5 lab, 3.0 semester hours

   AUT 243 Advanced Engine Control Systems
   1 lec/5 lab, 3.0 semester hours

   AUT 246 Automotive Accessories and Diagnostics
   1 lec/5 lab, 3.0 semester hours.

Effective date: Fall 2025

Summary of Changes: Updates to course descriptions, outcomes, AUT243, AUT246 recommended prerequisites, assessment of student learning, and topics. Course objectives deleted.

Rationale: Courses currently aren't meeting the needs of the students. They have been revised to stay up-to-date with employers and industry trends.

4. Course Withdrawals:

    AUT 116 Automotive Service Adviser
    3 lec/0 lab, 3.0 semester hours

    AUT 117 Automotive Parts Specialist
    3 lec/0 lab, 3.0 semester hours

    AUT 123 Automotive Ignition Systems
    1 lec/5 lab, 3.0 semester hours

    AUT 233 Applied Automotive Fuels and Electricity
    1 lec/5 lab, 3.0 semester hours

    AUT 240 Service Shop Operations
    1 lec/5 lab, 3.0 semester hours

    AUT 251 Light Duty Diesel Vehicle Engine Service II
    1 lec/5 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: Courses above are being withdrawn from the Automotive Technology curriculum.

Rationale: The course information is no longer necessary or up-to-date for the current programs. Content is being incorporated in other courses.

5. NEW Program:
    (Second Read Required — Vote on November 14th):

    AUT 719A Hybrid and Electric Vehicle Certificate of Achievement
    27.0 semester hours

Effective date: Fall 2025

Summary of Changes: New certificate added to Automotive Technology department.

Rationale: Added due to student interest and job opportunities.

6. Major Program Revisions:

    AUT 710A Automotive Service Technology Associate in Applied Science *(new title)*
    65.0 semester hours *TO* 63.0 semester hours
    (Second Read Required — Vote on November 14th)

AUT 712A Light Duty Diesel Repair Occupational Certificate
14.0 semester hours

AUT 713A Automotive Maintenance Occupational Certificate
50.0 semester hours *TO* 48.0 semester hours
(Second Read Required — Vote on November 14th)

AUT 715A Automotive Electrical/Electronics Occupational Certificate
15.0 semester hours *TO* 18.0 semester hours
(Second Read Required — Vote on November 14th)

AUT 716A Automotive Brake and Suspension Occupational Certificate
11.0 semester hours *TO* 12.0 semester hours
(Second Read Required — Vote on November 14th)

AUT 717B Automotive Transmission and Driveline Occupational Certificate
17.0 semester hours *TO* 18.0 semester hours
(Second Read Required — Vote on November 14th)

Effective date: Fall 2025

Summary of Changes: Revised title for AUT 710A, courses deleted and/or added to programs. With the exception of AUT 712A, total hours in programs have changed.

Rationale: To remain current and up-to-date with changes in the industry.

7. Minor Program Revision:
(Second Read Required — Vote on November 14th)

AUT 714A Engine Performance Occupational Certificate
24.0 semester hours

Effective date: Fall 2025

Summary of Changes: Addition of new courses and others withdrawn from program.

Rationale: To remain current and up-to-date with changes in the industry.

8. Program Withdrawal:

AUT 711A Automotive Transportation Service Technology Associate in Applied Science
60.0 semester hours

Effective date: Fall 2025

Summary of Changes: Program is being withdrawn from the Automotive Technology dept.

Rationale: Program is no longer needed due to changes in the industry.

Computer Information Systems: Originator – Timothy Moriarty

9. NEW Courses:
   (Second Read Required — Vote on November 14th)

   CIS 151 Management Systems
   3 lec/0 lab, 3.0 semester hours

   CIS 212 Data Analytics with Excel Power Tool and Power BI
   2 lec/2 lab, 3.0 semester hours

   CIS 238 CMS Plugin Development
   3 lec/0 lab, 3.0 semester hours

   CIS 259 Client Side Development
   2 lec/2 lab, 3.0 semester hours

   CIS 265 Full Stack Development
   2 lec/2 lab, 3.0 semester hours

   CIS 272 Capstone
   2 lec/2 lab, 3.0 semester hours

   Effective date: Fall 2025

   Summary of Changes: New courses are being added to the following programs: IT Support Technician A.A.S., IT Support Technician Occupational Certificate, Software Development A.A.S., and Computer Software Development Occupational Certificate.

   Rationale: Courses are being added based on employer and industry needs and changes over the time.

10. Major Course Revisions:

    CIS 107 Information Technology Fundamentals
    1 lec/3 lab, 3.0 semester hours ***TO*** 2 lec/2 lab, 3.0 semester hours

    CIS 136 Data Analytics Programming *(new title)*
    3 lec/0 lab, 3.0 semester hours ***TO*** 2 lec/2 lab, 3.0 semester hours

    CIS 261 Server Side Development *(new title)*
    2 lec/2 lab, 3.0 semester hours

    Effective date: Fall 2025

    Summary of Changes: Updates to CIS 136 and CIS 261 titles, course descriptions, outcomes, prerequisites, assessment of student learning, and topics. Course objectives deleted for CIS 136. Lecture and lab hours changed for CIS 107 and CIS 136.

    Rationale: Courses are being updated based on employer and industry needs and changes over the time.

11. Minor Course Revision:

> CIS 202 Database Management
> 3 lec/0 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: Updates to course description, enforced prerequisite, outcomes, and topics. Course objectives deleted.

Rationale: Updated to match current trends and terminology.

12. Major Program Revisions:
    (Second Read Required — Vote on November 14th)

> CIS 220D Software Development Associate in Applied Science A.A.S.
> 60.0 semester hours
>
> CIS 223A IT Support Technician Associate in Applied Science A.A.S.
> 60.0 semester hours
>
> CIS 243B IT Support Technician Occupational Certificate
> 27.0 semester hours *TO* 30.0 semester hours

Effective date: Fall 2025

Summary of Changes: Title changes and course deletions/additions to curricula. Total hours in the IT Support Tech Cert program have increased by 3.

Rationale: Programs are being updated based on employer and industry needs and changes over the time.

13. Minor Program Revision:
    (Second Read Required — Vote on November 14th)

> CIS 228B Computer Software Development Occupational Certificate
> 15.0 semester hours

Effective date: Fall 2025

Summary of Changes: CIS 110 removed from curriculum and CIS 115 and CIS 259 added.

Rationale: Program is being updated based on employer and industry needs and changes over the time.

Website Development: Originators – Amy Chaaban and Eamon Newman

14. NEW Courses:
    (Second Read Required — Vote on November 14th)

> CIS 123 Web Development I
> 3 lec/0 lab, 3.0 semester hours

CIS 128 UX/UI I
3 lec/0 lab, 3.0 semester hours

CIS 133 Web Development II
2 lec/2 lab, 3.0 semester hours

CIS 138 UX/UI II
3 lec/0 lab, 3.0 semester hours

CIS 222 E-Commerce
3 lec/0 lab, 3.0 semester hours

CIS 239 CMS Theme Development
3 lec/0 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: New courses added to Web UX/UI Associate in Applied Science A.A.S. and Web UX/UI Certificate Occupational Certificate programs.

Rationale: Courses are being updated based on employer and industry needs and changes over the time.

15. Course Withdrawal:

WEB 230 Dreamweaver
2 lec/2 lab, 3.0 semester hours

Effective date: Spring 2025

Summary of Changes: The course is being withdrawn.

Rationale: The course is no longer meeting student need and has been removed from WEB 331B, AAS and WEB 337A, Certificate programs.

16. Major Program Revisions:
    (Second Read Required — Vote on November 14th)

WEB 331B Web UX/UI Associate in Applied Science A.A.S.
60.0 semester hours

WEB 337A Web UX/UI Occupational Certificate
21.0 semester hours

Effective date: Fall 2025

Summary of Changes: Titles updated with "UX/UI" and course requirements were revised. Total hours in both programs remain the same.

Rationale: Programs are being updated based on employer and industry needs and to match current trends.

Cybersecurity: Originator – Jason Rochon

17. NEW Courses:
(Second Read Required — Vote on November 14th)

   CIS 103 Data Analyst Essentials
   2 lec/1 lab, 3.0 semester hours

   CIS 119 Information Technology Professional II
   2 lec/2 lab, 3.0 semester hours

   CIS 213 Cybersecurity Analyst
   2 lec/2 lab, 3.0 semester hours

   CIS 214 Digital Forensics
   2 lec/2 lab, 3.0 semester hours

   CIS 267 Cisco III
   2 lec/2 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: New courses added to Cybersecurity A.A.S. and Cybersecurity Certificate programs.

Rationale: Cyber industry and employer need.

18. Major Course Revisions:

   CIS 118 Information Technology Professional I
   2 lec/3 lab, 3.0 semester hours *TO* 2 lec/2 lab, 3.0 semester hours

   CIS 137 CISCO I
   2 lec/3 lab, 3.0 semester hours *TO* 2 lec/2 lab, 3.0 semester hours

   CIS 200 Cloud Technology
   2 lec/3 lab, 3.0 semester hours *TO* 2 lec/2 lab, 3.0 semester hours

   CIS 237 CISCO II
   2 lec/3 lab, 3.0 semester hours *TO* 2 lec/2 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: Updates to lab hours, course descriptions, recommended/enforced prerequisite(s), outcomes, and topics. Course objectives revised or deleted.

Rationale: Cyber industry and employer need.

19. Minor Course Revision:

   CIS 210 Ethical Hacking
   2 lec/2 lab, 3.0 semester hours

Effective date: Fall 2025

Summary of Changes: Updates to course description, enforced & recommended prerequisites, objectives, outcomes, assessment of student learning, and topics.

Rationale: Cyber industry and employer need.

20. Major Program Revision:
    (Second Read Required — Vote on November 14th)

    CIS 251A Cybersecurity Occupational Certificate
    27.0 semester hours *TO* 30.0 semester hours

    Effective date: Fall 2025

    Summary of Changes: CIS 107, CIS 109, and CIS 137 removed from curriculum and new courses added. Total hours in the program have increased by 3.

    Rationale: Program is being updated based on employer and industry need and changes over the time.

21. Minor Program Revision:
    (Second Read Required — Vote on November 14th)

    CIS 250A Cybersecurity Associate in Applied Science A.A.S.
    60.0 semester hours

    Effective date: Fall 2025

    Summary of Changes: CIS 107, CIS 109, CIS 211 removed from curriculum and new courses added.

    Rationale: Program is being updated based on employer and industry need and changes over the time.

Water/Wastewater: Originators – Nancy Christensen and Sheela Vemu

22. NEW Courses:
    Request to waive second read

    WTE 101 Water Operations I
    3 lec/0 lab, 3.0 semester hours

    WTE 102 Water Operations II
    3 lec/0 lab, 3.0 semester hours

    WTE 105 Math for Water Technology I
    3 lec/0 lab, 3.0 semester hours

    WTE 106 Math for Water Technology II
    3 lec/0 lab, 3.0 semester hours

WTE 109 Science for Water Technology
2 lec/2 lab, 3.0 semester hours

WTE 111 Wastewater Operations I
3 lec/0 lab, 3.0 semester hours

WTE 112 Wastewater Operations II
3 lec/0 lab, 3.0 semester hours

WTE 296 Special Topics/Water and Wastewater
1 lec/0 lab, 1.0 semester hours

Effective date: Fall 2025

Summary of Changes: New courses added to the new Wastewater program.

Rationale: The courses listed above aim to equip students with core skills and competencies in the water/wastewater sector.

23. NEW Program:
Request to waive second read

WTE 501 Water/Wastewater Occupational Certificate
27.0 semester hours

Effective date: Fall 2025

Summary of Changes: New program added to the list of BTWE disciplines.

Rationale: This program aims to equip students with core skills and competencies in the water/wastewater sector and build awareness of careers in this field. It seeks to fill the middle skills gap in the water sector by offering the first such certificate in the northern Illinois region.

Health Professions and Public Service
Dean: Bob Cofield

No Submissions

Liberal Arts and Sciences – LAS and VPAES
Assistant Provost and Executive Dean: Sharon Garcia

Chemistry: Originator – Nancy Christensen

24. Minor Course Revision: Originator

CHM 101 Introduction to Chemistry Laboratory
0 lec/3 lab, 1.0 semester hour

Effective date: Spring 2025

Summary of Changes: MTH067 removed as an enforced prerequisite, MTH066 or MTH068 have been added to prerequisite language.

Rationale: Updating prerequisite to match CHM100 and align with Developmental Math Pathway.