HAWK CORE CURRICULUM

Overview

Earning a Degree from Dunwoody

All of Dunwoody's academic plans include both technical *and* Core Curriculum courses to support career readiness skills in combination with technical proficiencies.

Dunwoody's Core Curriculum aligns with the degree standards set by the Minnesota Office of Higher Education (https://www.ohe.state.mn.us/pdf/OHE_Degree_Standards_ADA.pdf) for each degree level. The number and type of Core Curriculum courses a student takes depends on the requirements of their specific degree program.

The Core Curriculum offers courses in five different content areas:

- Communication
- Arts and Humanities
- Social Science
- Mathematics, and
- Natural Science

Hawk Core Curriculum

The Hawk Core Curriculum prepares students to translate their passion for a future profession into career success by learning to

- Communicate effectively,
- Construct professional behaviors,
- Form ethical decisions,
- Solve problems,
- Exhibit curiosity,
- Think critically,
- Integrate their learning, and
- Collaborate successfully.

As part of Dunwoody's Core Curriculum, all students complete COMM1000 (https://catalog.dunwoody.edu/catalog-student-handbook/course-descriptions/comm/), SSCI1000 (https://catalog.dunwoody.edu/catalog-student-handbook/course-descriptions/ssci/), HUMN1000 (https://catalog.dunwoody.edu/catalog-student-handbook/course-descriptions/humn/), a math or science course based on their program, any additional program-specified core courses, or select from elective courses. Transfer credits meeting the Minnesota Office of Higher Education degree standards are accepted as approved proxies.

Flexible Learning Options

Courses are offered during fall and spring semesters, J-Term (accelerated 3-week term in January), and Summer Session A (accelerated 4-week term in June) and B (accelerated 4-week term in July), and the full Summer Session (accelerated 9-week term in June and July).

The Core Curriculum delivers many classes in flexible options for students including on-campus, online (asynchronous), and hybrid.

PSEO

Dunwoody's Core Curriculum courses are available for PSEO students, earning the student dual credit towards both a high school diploma and college degree.

Program Outcomes

By the end of their degree, students will be able to:

Arts, Humanities, Communications, & Social Sciences:

- Construct written, oral, and visual communication for author, audience, text, context, and purpose.
- Apply ethically and civically responsible behaviors for professional and personal settings in a dynamic society.
- Collaborate to promote inquiry, discover solutions, and generate new ideas and creative works that are relevant and responsive to the world around them.
- Explain concepts that influence the behavior and decisions of individuals and institutions.
- Access, evaluate, and use information gathered through a variety of resources and technologies in developing projects and presentations.
- Connect and transfer skills and learning among disciplines, domains of thinking, experiences, and situations.

Math & Sciences:

- Accurately explain information presented in mathematical forms (equations, graphs, diagrams, tables, words).
- Convert relevant information into various mathematical forms (equations, graphs, diagrams, tables).
- Use the analysis of data as the basis for drawing reasonable conclusions.
- Explore a topic in depth, to determine inter-related topics.
- Evaluate solutions taking into consideration the history of the problem, its feasibility or its impact.
- Propose a solution/hypothesis taking into consideration ethical, logical or cultural context.
- Identify multiple approaches for solving the problem within a specific context.

Courses

Communications

- WRIT2010 can also fulfill Communications with Writing category requirement on Academic Plan.

Code	Title	Credits
COMM1000	Communication in Context	3
COMM1030	Project Communication	3
COMM1150	Interpersonal Communication	3
COMM3000	Professional Communication	2
COMM4000	Research Methods	3
COMM4100	Technical Writing Capstone	3
WRIT2010	Technical Writing	3
WRIT4020	Capstone Technical Writing	2

Humanities

Code	Title	Credits
ARTS1000	Introduction to Drawing	3
ARTS1250	Design History	3
ARTS2200	Global Design History	3
HUMN1000	Ethics	3
HUMN2600	Technology in Science Fiction & Fantasy	3
HUMN2900	Ethics of Artificial Intelligence	3
HUMN3600	Critical Thinking & Creativity	3
PHIL4000	Ethical Decision-Making	2

Mathematics

- All mathematics courses can also fulfill the Natural Sciences/ Mathematics requirements on Academic Plan.

Code	Title	Credits
MATH1000	Algebra & Trigonometry	3
MATH1010	Algebra I	3
MATH1020	Algebra II	3
MATH1050	Algebra, Trigonometry & Geometry	3
MATH1250	Boolean Algebra	3
MATH1300	Boolean Algebra & Number Systems	2
MATH1700	Pre Calculus	3
MATH1810	Calculus I	3
MATH1811	Calculus I	4
MATH1820	Calculus II	3
MATH1821	Calculus II	4
MATH2250	Statistics	3
MATH2260	Probability & Statistics	4
MATH2810	Multi-Variable Calculus	4
MATH2820	Linear Algebra & Differential Equations	4
MATH2830	Discrete Math	3

Natural Sciences

- All natural sciences courses can also fulfill the Natural Sciences/ Mathematics requirements on Academic Plan.

Code	Title	Credits
BIOL1230	Anatomy	4
BIOL1310	Physiology I	2
BIOL1320	Physiology II	2
BIOL1400	Human Disease	4
CHEM2000	Introduction to Chemistry	3
CHEM2110	Chemistry with Lab	4
CHEM2210	Chemistry of Fluids & Gases	3
GSCI1095	How Science Explores the Natural World	3
GSCI1311	Exercise, Nutrition, & Health	3
GSCI3100	Materials System Chemistry	3

Physical Science & Physical Science with Lab

- All Physical Science with Lab courses can also fulfill the Natural Sciences and Natural Sciences/Mathematics requirements on Academic Plan. GSCI3000 course can also fulfill the Upper Physical Science with Lab requirements on Academic Plan.

Code	Title	Credits
CHEM2110	Chemistry with Lab	4
GSCI1081	Environmental Science with Lab	3
GSCI1500	General Electrical Science	3
GSCI3000	Applied Environmental Science with Lab	3
GSCI3100	Materials System Chemistry	3
PHYS1800	Physics I with Lab	4
PHYS1801	Physics I Lab	1
PHYS1810	Calculus-Based Physics	3
PHYS1820	Physics II with Lab	4

Social Science

Code	Title	Credits
SSCI1000	Psychology of Human Behavior	3
SSCI1100	Introduction to Macro & Micro Economics	3
SSCI1200	World Geography	3
SSCI2400	Sociology of Positive Thinking	3
SSCI2500	Essentials of Global Health	3
SSCI2700	Decoding Society Through Symbols & Color	3
SSCI2800	Sustainable Communities	3
SSCI2900	Smart Cities	3