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# Christian Ministries (AAS) (Also, see ministry)

**Department of Theology:** Kristina LaCelle-Peterson, chair. W. Christopher Stewart, Associate Dean

**Faculty:** Under the direction of the department chair

The Christian ministries curriculum is a two-year program which leads to the associate of applied science degree. The course requires a total of 62 hours and provides a strong Bible-centered preparation for Christian service in the church or mission field.

The curriculum consists of 22 hours in integrative studies requirements, 26 hours in required religion courses, and a 12- to 16-hour concentration. Choose from Communication/Writing, Humanities, Religion (Bible, Christian Formation, Missions, and Ministerial) or social science. Additional credit hours to total 62 will consist of electives.

**Integrative studies requirements:**

BIBL 101	Biblical Literature (or Advanced Bible if qualified) ..	4
WRIT 101	Writing in the Liberal Arts .....	4
	Math or Science .....	3-4
	Philosophy .....	4
THEL 209	Introduction to Christianity .....	4

*Two or three more hours in Integrative Studies to total 22 hours (suggested courses in History or Social Science)*

**Major requirements:**

BIBL 221	Biblical Interpretation .....	4
	Old Testament Bible ( <i>Pentateuch preferred</i> ) .....	4
	New Testament Bible ( <i>Jesus &amp; the Gospels preferred</i> ) .....	4
MISS	Any 4 hours in Missions (MISS prefix) .....	4
MIN 210	Introduction to Christian Ministry .....	2
CRFM 231	Foundations of Educational Ministry .....	2
CRFM 325	Bible Study and Teaching Methods .....	2
CHMN 251, 252	Internship .....	2, 2

(See respective course descriptions in Bible, Missions, and Christian Formation.)

## COURSE DESCRIPTIONS

### CHMN 251, 252 **Internship**

(2/2, F/S/M)

A field experience in a church or a church-related organization during the student's second year or during Mayterm.

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# Communication (major and minor)

**Department of Communication:** Douglas M. Gaerte, chair. James F. Wardwell, Associate Dean

**Faculty:** Douglas M. Gaerte, David M. Huth, Daniel C. Minchen, Ryan Thompson

**Web site:** [www.houghton.edu/academics/programs/communication](http://www.houghton.edu/academics/programs/communication)

**Phone:** 585.567.9670

### **Major: 33 - 40 hours**

Whether one seeks a career in broadcasting, journalism, public relations, advertising, government service, community development, law, business, teaching, or the ministry, the ability to communicate is essential. The communication major is an interdisciplinary program focusing on helping students become competent communicators. This involves the ability to analyze messages in both personal and public contexts, to recognize and choose among the various communication strategies that are available, and to use language and images to create messages that are sensitive to the audience and that help to solve real world problems.

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**Co-requisite:**

COMM 101	Presentational Speaking.....	2
(Also satisfies the Integrated Studies Community: Communication requirement)		

**Required courses: .....20**

COMM 205	Introduction to Communication Theory.....	4
COMM 214	Introduction to Mass Media.....	4
COMM 215	Interpersonal Communication .....	4
COMM 216	Organizational Communication.....	4
COMM 417	Seminar in Public Communication .....	4

**In addition to the required courses, students will select a five course concentration in one of the following areas:**

- Integrated Marketing Communication
- Rhetorical Communication
- Media Arts and Visual Communication

**1. Concentration in Integrated Marketing Communication**

The concentration in Integrated Marketing Communication builds on basic core courses to develop a defined competence in the communication components of marketing. These components include advertising, public relations, marketing events such as trade shows, direct mail or other forms of one-to-one communication, and web-based or electronic initiatives. The focus of this concentration is to enable students to enter profit or not-for-profit businesses or organizations and assume a role in a marketing or promotions department with the ability to understand, manage and implement an expected set of professional tasks.

**Required Courses (3)**

COMM 218	Marketing Principles (also listed as BADM 218)
COMM 312	Advertising Principles (also listed as BADM 312)
COMM 313	Public Relations Principles (also listed as BADM 313)

**Elective Courses: (2) chosen from:**

BADM 212	Principles of Management
ART 245	Graphic Design I
COMM 232	Introduction to Web Communication
COMM 284	Introduction to Digital Imaging
COMM 295, 395	Special Topics
COMM 353	Communication Internship
WRIT 214	Literary Non-Fiction
WRIT 312	Creative Writing in Public Life

**2. Concentration in Rhetorical Communication**

For more than 2,000 years the study of communication was the study of rhetoric. The rhetorical communication concentration at Houghton helps students connect to the historical roots of communication study while bringing the conversation up-to-date with the application of rhetorical theory to current forms of delivering messages. Central to the study of rhetoric is the notion of civic engagement. In a democracy, the opportunity for people to express themselves, to present arguments, to engage in debate, and to praise and blame is critical to the orderly functioning of society. The rhetorical communication concentration is designed to help students construct effective and ethically responsible messages appropriate to scholar-servants. In the church, the workplace, and the community, such speakers play a critical role in creating solutions to problems, defending the rights of the oppressed, and improving the lives of fellow humans. The study of rhetoric also helps students become more discerning consumers of messages. This concentration is especially applicable to those students interested in law, politics, and the ministry.

**Required Course**

COMM 316	Advanced Presentational Speaking
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**Elective Courses (4) chosen from:**

COMM 318	Rhetorical Theory
COMM 319	American Public Address
COMM 244	Oral Performance of Literature
COMM 295, 395	Special Topics
COMM 353	Communication Internship
MIN 324	Principles of Expository Preaching
WRIT 214	Literary Non-Fiction
WRIT 312	Creative Writing in Public Life

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### 3. Concentration in Media Arts and Visual Communication

This concentration focuses on visual media-making, with many classes devoted to creative studio work. To make visual media that is effective, creative, and ethical, critical analysis and cross-disciplinary connections are essential. This concentration is a unique combination of media theory, critical analysis, and cultural application combined with practical creative work focusing on digital media tools. This includes new forms of creation, distribution, and social engagement outside of traditional structures. Independent cinema, Internet and interactive media, support for non-profit organizations, alternative political or social speech, media and performance art, documentary from a personal viewpoint, and storytelling/folklore are areas where students can apply their knowledge and skills.

#### Required Courses: (2)

COMM 224	Time, Motion, and Communication
COMM 284	Introduction to Digital Imaging

#### Elective Courses: (3) chosen from:

COMM 207	Introduction to Pro Tools
COMM 228	Digital Video I
COMM 328	Digital Video II
COMM 226	Personal Media
COMM 232	Introduction to Web Communication
COMM 384	Digital Imaging II
COMM 410	Media Arts: Advanced Projects
ART 245	Graphic Design I
ART 314	Art and History of Film
COMM 295, 395	Special Topics
COMM 353	Communication Internship
WRIT 214	Literary Non-Fiction
WRIT 304	Screenwriting

#### Communication Studies Major (no concentration)

A student may complete a communication major without selecting a specific concentration. After consulting with his or her advisor and developing a specific coherent academic plan, a student would complete the five courses from the core requirements and five elective courses chosen from the department.

#### Communication Minor (4) courses (14-16 hours)

COMM 205	Intro to Communication Theory plus 3 additional courses with the COMM prefix.
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### COURSE DESCRIPTIONS

**COMM 101 Presentational Speaking** (2, F&S)  
Studies in the basic concepts of effective communication. Emphases on oral presentation skills, organization of information, use of evidence, and audience analysis. Deliver demonstrative, informational, and persuasive speeches. Community: Communication.

**COMM 205 Introduction to Communication Theory** (4, S)  
This course provides a foundation for subsequent communication courses by introducing the major theories that help to explain human communication behavior. The course encourages students to see theorizing both as a formal, systematic approach to learning and as an informal activity in which we all engage. Through practical application, the course emphasizes the understanding, evaluation, and use of communication theories in daily life. Community: Communication.

**COMM 207 Introduction to Pro Tools** (3, F)  
Introduction to Pro Tools sound & recording software. Foundational skills necessary to record, edit, and mix at basic level using a Digidesign Pro Tools system. Focus: fundamental tools and techniques through demonstrations, real-world examples, and frequent hands-on assignments. Successful completion prepares students to undertake Pro Tools 101 Deginesign Certification exam. This course has a lab fee. By permission of instructor.

**COMM 208 Essential Pro Tools** (3, S)  
Continued study of Pro Tools: expanding range of tools and techniques. Focus: expanded hardware and software configurations, developing versatile tools for manipulating and editing both audio and MIDI data, and implementing various techniques to facilitate larger and more sophisticated mixing scenarios, again through real-world examples and frequent hands-on assignments that will enhance your capabilities

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in all aspects of Pro Tools production. Successful completion prepares student to undertake Pro Tools 110 DigiDesign Certification exam. This course has a lab fee. Prerequisite: COMM 207.

**COMM 214 Introduction to Mass Media** (4, F)  
Overview of the mass communication process and its application to mass media. Considers history, technological development, social implications, business functions, and legal aspects of mass media. Community: Communication.

**COMM 215 Interpersonal Communication** (4, F)  
Principles, application of interpersonal skills in the context of friendships and families. Includes personal and relational awareness, person perception, verbal and nonverbal communication, relational development, and gender communication. Community: Communication.

**COMM 216 Organizational Communication** (4, S)  
Development of communication skills applicable within organizations: understanding communication channels, interviewing strategies, task-oriented groups, business and sales presentations, conducting effective meetings, conflict management. Community: Communication.

**COMM 218 Marketing Principles** (4, F&S)  
(See course description under BADM 218)

**COMM/ART 224 Time, Motion, and Communication** (4, F)  
This course is an introduction to the foundational concepts of communications design in which time is an important formal element. Studio work will explore ways that images and design change over time in ways that enhance narrative or interactive communication: time and motion explored as formal properties; history of time-based communication and interactivity; extensive studio work developing key concepts in time and communication. This course has a lab fee.

**COMM 225 Intercultural Communication** (4, OD)  
Explores theory and practice of communicating interculturally. Recommended for those with an interest in international vocations, or working with ethnic or cultural groups within the United States.

**COMM 226 Personal Media** (4, OD)  
This course is an introduction to the changing landscape of emergent, person-based media using lightweight, networkable digital tools. Blogs, vlogs, and other forms of online communication are examined in view of their technological and cultural impact. Student projects focus on individual expression and information, moving quickly to grass roots documentation, advocacy media, and community-based journalism and storytelling. This course has a lab fee.

**COMM/ART 228 Digital Video I** (4, S)  
This course is an introduction to the movie-making process using digital tools. Students will learn the basics of managing digital workflow and software interface, using a digital video camera, editing in Final Cut Pro, and saving final output to DVD. Also covered are basic principles of storytelling, location production, integration of titles and audio, critique and production skills, and output and archiving. This course has a lab fee.

**COMM 232 Introduction to Web Communication** (4, F)  
This course is an introduction to the design, hosting, and maintenance of Web pages. Foundational concepts of composition and design, use of color, multimedia, accessibility, and good user interface design are covered in a project-based studio. Suitable for any major and discipline, with an emphasis on projects useful to communication majors (online Web gallery, portfolio, video, blogging, etc.) This course has a lab fee.

**COMM 244 Oral Performance of Literature** (4, F12)  
Emphasis on the selection and analysis of literary texts in preparation for presentation in both traditional oral interpretation and Readers Theater formats. Development of vocal and physical skills for reading texts in a variety of literary styles, including prose, poetry, scripture, drama, and children's lit. Community: Communication.

**COMM 245 Theatre Arts** (4, OD)  
Beginning acting; basic mime; introduction to stage techniques. Opportunity for practical experience in class production. Brief survey of Western theatre.

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**COMM 246 Theatre Workshop** (1 or 2, OD)  
Practical work on major productions. Credit given according to degree of responsibility and amount of time spent on specific tasks. For advanced students. Instructor's permission required. Note: repeatable up to eight hours.

**COMM/ART 284 Introduction to Digital Imaging** (4, F&S)  
This course is an introduction to the tools and concepts of creating and manipulating images with digital technology. It introduces students to compositing, drawing tools, digital photography, and basic filters, and covers the basics to intermediate techniques. The primary software application is Adobe Photoshop. Instruction is project based and relies on class critique. Students also learn to recognize digital equivalents of traditional art styles, techniques, and forms. This course has a lab fee.

**COMM 312 Advertising Principles** (2, S)  
Overview of the advertising field and how it functions in society. Studies research, strategies, methods, creativity, and media planning. Typically includes case study.

**COMM 315 Public Relations Principles** (4, F)  
An overview of the development, management and implementation of professional public relations programs designed to create, enhance or protect the reputations of businesses or organizations. The course explores the roots of PR and proceeds to study research methods, communication strategies and relationship-building efforts with publics that are critical to the organization's success in the marketplace. Prerequisite: COMM/BADM 218.

**COMM 316 Advanced Presentational Speaking** (2, F12)  
The preparation and delivery of various kinds of problem-solving presentations including problem analysis, policy justification, policy rejection, and hostile audience. Emphasis on content, structure, and delivery. Prerequisite: junior or senior status.

**COMM 318 Rhetorical Theory** (4, OD)  
This course provides an historical survey of the various theories of rhetoric – that is, the art of persuasive discourse – as they developed in the western world. The course begins with the classical theories of rhetoric that emerged in Greece and Rome, continuing with an examination of the theories that developed during the medieval, renaissance, and modern periods. The course concludes with an examination of contemporary rhetorical theories that have shaped our current understanding of rhetoric and its continuing role in our mediated culture.

**COMM 319 American Public Address** (4, F13)  
This course studies the public discourse of political speeches and popular culture from the colonial era to the present. A careful analysis of speech texts and the historical contexts in which they were delivered will help students become more careful consumers of public messages, will build critical skills, will improve understanding of key issues in American history and how those issues were debated, and will increase appreciation for the importance of rhetoric in a democratic society. Community: Communication.

**COMM 328 Digital Video II** (4, OD)  
This course is a continuation of DV I, intended to expand upon the skills and techniques introduced in DV I, and adding more advanced editing techniques to the student's skill set. Techniques such as multi-camera production, compositing, green screen, and videoblogging are introduced. Students are encouraged to prepare film festival submissions. The course presents an outline of cinematic communication history. This course has a lab fee.

**COMM 330 Conflict Management** (4, S)  
An introduction to conflict management that balances coverage of major theories with practice in communication skills and conflict intervention techniques (e.g., assertiveness training, mediation, negotiation). Focus on experiential learning with heavy emphasis on written analysis that includes analytical journaling and analysis of scientific journal articles.

**COMM 353 Communication Internship** (1-4, F, S, Summer)  
Experience in an applied communication field. Program tailored to individual student's needs and interests.

**COMM 384 Digital Imaging II** (4, S12)  
Advanced techniques in compositing, painting, graphics, and content expression using 2D digital computer software such as Adobe Photoshop. Creative studio lab work will focus on individual and collaborative digital imaging projects, for print or electronic distribution. Coursework conceptualizes the image as a powerful

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artistic and communication mode of discourse. Presentations, demonstrations, and intensive group critiques offer a chance for students wishing to pursue more advanced skills in using the computer as an expressive imaging tool. Pre-requisite: COMM 284 Introduction to Digital Imaging. This course has a lab fee.

**COMM 410 Media Arts: Advanced Projects** (4, S12)

This is a single-project course tailored to the individual interests, vision and production decisions of the student. The course is adapted for individual mentoring and one-to-one faculty-student interaction. Project-based instruction explores the advanced needs of a student while honing digital production and editing skills. Features of the course include single short production, extensive group critiques, field trips and guest lectures, study of advanced motion graphics, and discussion of career applications. This course has a lab fee.

**COMM 417 Senior Capstone: Seminar in Public Communication** (4, S)

Analysis of specific public communication situations, such as social reform movements, political discourse, campaign rhetoric, war rhetoric, the documentary, and the role of media in shaping discourse in contemporary society.

**COMM 295, 395 Special Topics in Communication: Lecture-Based or Studio-Based** (2-4, F&S)

Opportunity for study of issues and problems not covered elsewhere in the curriculum.

**COMM 291, -2, 391, -2, 491, -2 Independent Study** (1-4, F&S)

**COMM 496 Honors in Communication** (4, S)

**Courses listed under other departments and counted for communication:**

**ART 245 Graphic Design I** (4, F&S)

(See course description under art major.)

**ART 314 The Art and History of Film** (4, S13)

(See course description under art major.)

**BADM 212 Principles of Management** (4, F&S)

(See course description under business administration major.)

**MIN 324 Principles of Expository Preaching** (4, S)

(See course description under religion major.)

**WRIT 214 Literary Non-Fiction** (4, F&S)

(See course description under writing major.)

**WRIT 304 Screenwriting** (4, S13)

(See course description under writing major.)

**WRIT 312 Creative Writing in Public Life** (4, S12)

(See course description under writing major.)

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## Computational Physics (major)

**Department of Physics and Earth Science:** Mark E. Yuly, chair. Keith A. Horn, Associate Dean

**Faculty:** Donell Brandon Hoffman, Christopher M. Wells, Mark E. Yuly

**Web site:** [www.houghton.edu/academics/programs/physics/](http://www.houghton.edu/academics/programs/physics/)

**Phone:** 585.567.9280

**Computational Physics Major: BS (35 hours in major; 16 in prerequisites; 12 in co-requisites)**

**General Information:** Traditionally, the study of physics has been divided into two areas: experimental physics, which deals with the design of experiments and measurement, and theoretical physics, which deals