

HTM MINORS

What it is:

- Related set of academic courses consisting of no fewer than 15 credit hours (approximately 5 courses)
- Can complete more than 1 minor: ex.) finance & psychology
- NOTE: to achieve a minor you need a 2,0GPA average in your minor courses

Benefits:

- Visible on transcript (concentrations are not)
- Compliment a student's major, develop another area of professional expertise or personal interest – extra versatility
- Shows depth in more than 1 discipline
- Attractive asset for potential employers - improves employment opportunities
- Useful in getting into graduate schools
- Helps you explore other personal interests

1. ANTHROPOLOGY/SOCIOLOGY

Courses needed:

- ✓ **SOCI-102 Foundations of Sociology**
Sociology is the study of the social world and socialization processes. Sociologists study the broader picture of how societies are structured and organized through a macro-sociological analysis as well as how individuals create their own social reality symbolically through their interactions with others in a micro-sociological analysis. Students in this course will learn the fundamentals of each approach and come away with a sociological framework which they can critically apply to their own lives.
- ✓ **ANTH-210 Culture and Globalization**
By exploring critical issues of globalizing culture, we examine how ideas, attitudes, and values are exchanged or transmitted across conventional borders. How has the production, articulation, and dissemination of cultural forms (images, languages, practices, beliefs) been shaped by global capitalism, media industries, communication technologies, migration, and tourist travels? How are cultural imaginaries forged, exchanged, and circulated among a global consumer public? How has the internationalizing of news, computer technologies, video-sharing websites, blogging sites, and other permutations of instant messaging served to accelerate cultural globalization? Students will be introduced to anthropological perspectives on cultural globalization, the transmission of culture globally, and the subsequent effects on social worlds, peoples, communities, and nations.
- ✓ **ANTH-328 Heritage and Tourism**
Tourism is a global industry and an important part of the human experience. There are many forces within tourism that act upon people's lives, and in particular their environments, economies, cultural heritage, and identity. This course will explore tourism and its many dimensions. Beginning with an examination of kinds of tourism, this course unpacks tourism's ancient trade and pilgrimage roots as well as its class

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dynamics of post-industrialization. Other aspects of tourism to be explored include strategies and effects of tourism development and production, nationalism and cultural identity, commoditization and marketing of culture and the ethics of development, labor and infrastructural changes, social inequalities, ecological impact, sustainable tourism, the experience of tourists, ritual and authenticity, and the relationship between tourists and tourism workers. This course provides opportunities for cross-cultural analysis of tourism sites, for participant-observation of the tourist experience, and for evaluation and recommendation of tourism site development in and around Rochester.

- ✓ ANTH-380 Nationalism and Identity
Nationalism is often described in terms of strong sentiments and acts of self-determination on the part of members of a nation as distinct from the state that is necessarily a territorially and politically defined entity. This course will explore leading theories related to the origins of contemporary nationalism and nationalism's importance within the context of state societies, especially in Europe. The past as an invented historical or imagined reality will be highlighted, as invented pasts contribute to claims for exclusive national culture and both exclusive and contested identities. The relationships between culture, literacy, and capitalism will be applied to understanding select historical and ethnographic cases of nationalism.

- ✓ SOCI-230 Sociology of Work
This course analyzes and assesses social relations of paid labor. Sociology's major ideas about the ways we work will be examined and applied to numerous important topics such as: workplace organization, unions, labor legislation, health and safety, workplace culture, interplays between work and family, experiences of work as alienating or satisfying, inequalities at work, and social mobility.

2. WEB DEVELOPMENT

Prerequisites

Students should complete course work in Discrete Mathematics (MATH-131) and a two-course programming sequence (ISTE-120 and ISTE-121) prior to beginning course work for this minor.

Possible Courses:

- ✓ ISTE-140 Web & Mobile I
This course provides students with an introduction to internet and web technologies, and to development on Macintosh/UNIX computer platforms. Topics include HTML and CSS, CSS3 features, digital images, web page design and website publishing. Emphasis is placed on fundamentals, concepts and standards. Additional topics include the user experience, mobile design issues, and copyright/intellectual property considerations. Exercises and projects are required

- ✓ ISTE-230 Introduction to Database and Data Modeling
A presentation of the fundamental concepts and theories used in organizing and structuring data. Coverage includes the data modeling process, basic relational model, normalization theory, relational algebra, and mapping a data model into a

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database schema. Structured Query Language is used to illustrate the translation of a data model to physical data organization. Modeling and programming assignments will be required. Note: students should have one course in object-oriented programming.

- ✓ ISTE-240 Web & Mobile II
This course builds on the basics of web page development that are presented in Web and Mobile I and extends that knowledge to focus on theories, issues, and technologies related to the design and development of web sites. An overview of web design concepts, including usability, accessibility, information architecture, and graphic design in the context of the web will be covered. Introduction to web site technologies, including HTTP, web client and server programming, and dynamic page generation from a database also will be explored. Development exercises are required.
- ✓ ISTE-340 Client Programming
This course will explore the analysis, design, development, and implementation of client-side programming in the context of Internet technologies, mobile devices, Web-based client systems and desktop applications. Students will learn to design and build usable and effective interactive systems, clients, and interfaces. Key features addressed will include browser and platform compatibility, object reusability, bandwidth and communications issues, development environments, privacy and security, and related technologies and APIs. Programming is required.
- ✓ ISTE-341 Server Programming
This course provides in-depth work in server-side programming. Students will develop dynamic, data centric web pages and systems, and server-side information services that will be available to clients implemented in a variety of software technologies. Topics include XML parsing, generation, and consumption; web configuration and security; design patterns; web service structures, and application security. Programming projects are required.
- ✓ SWEN-383 Software Design Principles and Patterns
Quality software designs and architectures reflect software engineering principles that represent best contemporary practice. This course focuses on explicating these fundamental principles, examining a set of design and architecture patterns that embody the principles, and applying patterns appropriate to a design problem in a given context. Restricted to IST majors only.
- ✓ **NOTE: this minor requires additional courses to be taken outside electives and will likely result in a prolonged period of study due to the number of mandatory courses needed.**