TCC 1990. Elective. (1-4 Hours)
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

TCC 2200. Introduction to Technical Writing. (3 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Provides an introduction to the writing process, focusing on the development of writing skills. Introduces students to the principles of technical writing and the role of the technical writer in a variety of professional settings.

Attribute(s): NUpath Writing Intensive

TCC 2990. Elective. (1-4 Hours)
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

TCC 3220. Technical Promotional Writing. (3 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the principles and techniques of technical promotional writing. Focuses on the creation of written content for marketing, research, and sales for various technical products and services. Covers topics such as advertisement writing, copywriting, and the use of style guides.

TCC 3230. Writing for the Biotechnology and Pharmaceutical Industries. (3 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Focuses on the writing needs of the biotechnology and pharmaceutical industries. Covers topics such as grant writing, scientific writing, and technical report writing.

TCC 3450. Writing for the Web. (3 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the principles of technical writing for the Web. Focuses on the creation of content for the Web, including the use of headings, bullets, and links. Covers topics such as Web navigation and labeling, content management systems, and the use of style guides.

TCC 3990. Elective. (1-4 Hours)
May be repeated without limit.

TCC 4990. Elective. (1-4 Hours)
May be repeated without limit.

TCC 6100. Introduction to Technical and Professional Writing. (4 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the basic principles of organizing, creating, and writing technical content. Covers topics such as audience analysis, content selection, and the use of style guides.

TCC 6102. Editing Technical Content. (4 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the practice of technical editing. Focuses on the role of the editor in the writing process, including the use of style guides and the review process.

TCC 6110. Information Architecture. (4 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the principles of information architecture. Covers topics such as user-centered design, content modeling, and the use of content management systems.

TCC 6110. Information Technology. (4 Hours)
Prerequisite(s): ENG 1107 with a minimum grade of D- ; TCC 2200 with a minimum grade of D-
Introduces the principles of information technology. Covers topics such as computer programming, data structures, and computer networks.

TCC 8990. Elective. (1-4 Hours)
May be repeated without limit.

TCC 9990. Elective. (1-4 Hours)
May be repeated without limit.
TCC 6120. Usability and User Experience. (4 Hours)
Introduces and examines theories and practical application of research, evaluation, and design of information products, systems, user interfaces, and the wider user experience. Incorporates the user-centered design (UCD) process as the primary methodology. Reviews numerous usability methods in-depth, including usability testing; heuristic and expert evaluation; prototyping; user research (including surveys, user interviews, and the role of ethnography in this field); and the emerging methods in the field. Concludes with a look into the possible futures of usability.

TCC 6150. Writing Portfolio. (2 Hours)
Offers students an opportunity to complete a professional writing portfolio. Students are guided through critically evaluating their existing work and how best to present their work in a portfolio. Includes information regarding portfolio design, content, and delivery.

TCC 6200. Ethics in Technical Communication. (4 Hours)
Focusses on introducing students to definitions and philosophies of ethics as they pertain to technical communication. Examines both hypothetical and real-world scenarios encountered by technical communicators. Often, technical communicators face ethical dilemmas in creating technical documents, ranging from legal and confidentiality issues to honesty and conflicting cultural values. Offers students an opportunity to explore and analyze ethical decision-making scenarios and make recommendations for action on both personal and managerial levels.

TCC 6400. Structured Documentation. (4 Hours)
Introduces the process of analyzing, organizing, and presenting information using techniques for structuring and authoring data. Presents information types, presentation methods, XML, DTDs, and the principles of structured writing. Offers students an opportunity to use what they learn to design and generate documents that can be easily and efficiently assembled, published, and delivered to the intended audience.

Prerequisite(s): TCC 6630 with a minimum grade of B

TCC 6410. Online Documentation. (4 Hours)
Introduces students to the types of online documentation written by technical writers, including help messages, online reference guides, and tutorials. Discussions and demonstrations cover the techniques as well as the principles of online documentation design, production, and evaluation, with emphasis on current technologies and software.

TCC 6420. Information Design for the Web. (4 Hours)
Introduces students to the skills necessary for Web-based information design. Topics include basic Web concepts, creating text-based Web pages, working with Web graphics, building usable navigation, building page templates, using cascading style sheets, authoring for the Web, designing a Web site, and multimedia considerations. Offers students an opportunity to code their own Web pages, critique existing Web sites, structure information for online presentation, and create a complete stand-alone Web site.

TCC 6430. Writing for the Computer Industry. (4 Hours)
Introduces students to writing and editing professional-quality computer user documentation. Focuses on techniques for creating usable documentation, including attention to text organization and visual elements. Offers students an opportunity to design and write a computer user manual and collateral technical documents, given a functional specification and software developed from that specification. To simulate a common work environment, class members may sometimes work in project teams.

TCC 6440. Advanced Writing for the Computer Industry. (4 Hours)
Seeks to prepare students to work as writers in the computer industry by building on fundamental skills in producing user documentation. Offers students an opportunity to use single-source techniques to create a variety of computer documentation pieces for technical audiences. Rather than doing a complete, hard-copy computer user manual, students focus on techniques for developing an information base and using that base to create different types of software documentation for different audiences. Topics include analyzing the needs of highly technical audiences, developing strategies for different types of documents (including specifications, reference manuals, and white papers), honing writing techniques (including single-sourcing, writing for impaired audiences, and internationalization/localization), working with engineering and marketing, and building a long-term career in the computer industry.

TCC 6450. Managing Technical Publications. (4 Hours)
Investigates how to manage and facilitate teams and groups within the work environment. Focuses on such topics as perception, personality, conflict, and negotiating. Covers assessing the need for change and its impact on an organization, as well as understanding and managing resistance to change. Uses lectures, case studies, and group work to assist students to better understand management roles and requirements.

TCC 6470. Web Accessibility for Technical Communicators. (4 Hours)
Examines the key principles of Web accessibility and how it relates to documentation and content from the user's perspective. Making Web content and information available to the widest possible audience is important from a legal standpoint but also from a business standpoint. Covers accessibility concepts and universal design as well as the methods people use to access Web content. Discusses rules, standards, and guidelines and how they relate to accessible content. Also touches on the relationship between usability and accessibility.

TCC 6480. Instructional Design for Technical Communicators. (4 Hours)
Focuses on the concepts and overview of instructional design for technical writers. Offers students an opportunity to analyze, design, and develop relevant and useful content for an intended audience, with a particular focus on materials with technical content. Course goals include building a foundation and conceptual framework surrounding the instructional design process. Emphasizes instructional strategies and skills to facilitate adult learning. Additional topics include determining the needs of the learner, techniques for stimulating and sustaining learner motivation, developing learning materials, using multimedia, and how to reinforce learning.

TCC 6490. Usability Testing for Technical Communicators. (4 Hours)
Introduces and examines how to plan, create, run, and facilitate usability testing based on best practices and known testing methodologies. These concepts and methodologies can be used to test products, services, websites, and documentation. Includes an overview of how to construct a usability test, recruit participants, facilitate test sessions, analyze results, and report findings. Emphasizes the emerging use of remote and mobile usability testing.
TCC 6495. Document Design. (2 Hours)
Covers both the principles of document design and the practical skill of using Microsoft Word (Windows and Mac). Explores basic text and paragraph formatting as well as more advanced topics such as page layout, creating styles, using themes, and editing/inserting graphics. Class assignments apply the techniques studied to actual documents. Discussions are an integral part of the course that broaden the classroom experience with issues designed to expand technical communication knowledge. Offers students an opportunity to learn how to solve documentation challenges—creating documents, revising existing documents, or converting older versions to newer versions.

TCC 6610. Prototyping. (2 Hours)
Covers the fundamental principles and methods of prototyping. A prototype is a vehicle that represents a design of something, such as a traditional user interface, a document, or a Web site. Discusses several of the most common methods used by content specialists. Investigates the uses and effectiveness of low-, medium-, and high-fidelity levels of prototyping methods. Reviews sketching, paper prototyping, and the most common prototyping software packages. A significant portion of the course involves collaboration and practical hands-on experience in the creation and iteration of various prototypes.

TCC 6630. Introduction to XML. (2 Hours)
Presents an overview of the Extensible Markup Language (XML). In content-heavy technical communication workplaces, using structured XML content allows authors to produce consistent documentation. Offers students an opportunity to understand the basics of XML—including XML rules and syntax, structuring data with XML, and validating data with Document Type Definitions (DTDs) and schemas—and ample practice with XML. Also covers using cascading style sheets (CSS) and Extensible Stylesheet Language Transformations (XSLT).

TCC 6640. Wiki-Based Documentation. (2 Hours)
Offers students an opportunity to create their own wiki-based documentation project. Using wikis for writing technical documentation has been popular with open-source applications for many years. Today, wikis are increasingly being used by both nonprofit and commercial enterprises for their documentation needs. Students are expected to set up and edit their own personal wiki space as well as to collaborate with others to help develop their wiki pages. Also touches upon effective wiki design, usability, modular documentation, and collaborative writing and editing as part of understanding the best practices associated with creating wiki-based documentation.

TCC 6710. Content Strategy. (4 Hours)
Examines the emerging discipline of content strategy and its critical role and impact on design, creation, distribution, and governance of an organization's content. Explores a variety of issues relating to the life cycle of an organization's content, including strategy, audits, the role of legacy content, content migration, and content management systems (CMS). Reviews the role that staff, technical resources, and constraints play within content strategy and discusses the future role of content strategy within a variety of organizations.

TCC 6850. Technical Communications Capstone Project. (4 Hours)
Offers students an opportunity to use classroom learning to produce a final project, such as a technical manual, online help system, or Web-based assistance product. Offers practical advice and guidance on how to function effectively within the technical publications work environment. Seeks to prepare students for as many realistic situations as possible in the work environment, including how to deal with difficult people and situations. Reviews the most current research and trends in the profession. Students work both individually and within groups on various assignments and projects.

Prerequisite(s): TCC 6100 with a minimum grade of C-; TCC 6102 with a minimum grade of C-; TCC 6110 with a minimum grade of C-; TCC 6120 with a minimum grade of C-

TCC 6962. Elective. (1-4 Hours)
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

TCC 7983. Topics. (1-4 Hours)
Covers special topics in technical communications. May be repeated without limit.

TCC 7995. Project. (1-4 Hours)
Focuses on in-depth project in which a student conducts research or produces a product related to the student's major field. May be repeated without limit.