

	Information Need	Select and Retrieve Information	Select and Retrieve Information	Evaluate information
	Define and articulate the need for information from a variety of sources	Select and retrieve the information using a variety of methods	Select and retrieve the information using a variety of methods	Articulate and apply criteria for evaluating the information and its sources
E121 Library	1.1.C Explores general information sources to increase familiarity with the topic	2.2.B Identifies keywords, synonyms and related terms for the information needed 2.2.D Constructs a search strategy using appropriate commands for the information retrieval system selected (e.g., Boolean operators, truncation, and proximity for search engines; internal organizers such as indexes for books) 2.3.A Uses various search systems to retrieve information in a variety of formats	3.7.B Reviews search strategy and incorporates additional concepts as necessary 2.3.B Uses various classification schemes and other systems (e.g., call number systems or indexes) to locate information resources within the library or to identify specific sites for physical exploration 2.5.C Differentiates between the types of sources cited and understands the elements and correct syntax of a citation for a wide range of resources	3.2.C Recognizes prejudice, deception, or manipulation 3.2.D Recognizes the cultural, physical, or other context within which the information was created and understands the impact of context on interpreting the information 3.3.B Uses consciously selected criteria to determine whether the information contradicts or verifies information used from other sources
Gen Ed Experience	1.1.B Develops a thesis statement and formulates questions based on the information need 1.1.E Identifies key concepts and terms that describe the information need 1.3.C Defines a realistic overall plan and timeline to acquire the needed information	1.3.B Considers the feasibility of acquiring a new language or skill (e.g., foreign or discipline-based) in order to gather needed information and to understand its context 2.2.A Develops a research plan appropriate to the investigative method 2.2.C Selects controlled vocabulary specific to the discipline or information retrieval source 2.4.A Assesses the quantity, quality, and relevance of the search results to determine whether alternative information retrieval systems or investigative methods should be utilized	2.5A Selects among various technologies the most appropriate one for the task of extracting the needed information (e.g., copy/paste software functions, photocopier, scanner, audio/visual equipment, or exploratory instruments) 2.5.B Creates a system for organizing the information	3.1.A Reads the text and selects main ideas 3.3.C Draws conclusions based upon information gathered 3.3.E Determines probable accuracy by questioning the source of the data, the limitations of the information gathering tools or strategies, and the reasonableness of the conclusions 3.5.A Investigates differing viewpoints encountered in the literature 3.5.B Determines whether to incorporate or reject viewpoints encountered
Research Course	1.1.D Defines or modifies the information need to achieve a manageable focus 1.4.A Reviews the initial information need to clarify, revise, or refine the question 1.3.A Determines the availability of needed information and makes decisions on broadening the information seeking process beyond local resources (e.g., interlibrary loan; using resources at other locations; obtaining images, videos, text, or sound) 3.4.A Determines whether information satisfies the research or other information need	2.1.B Investigates benefits and applicability of various investigative methods 2.1.D Selects efficient and effective approaches for accessing the information needed from the investigative method or information retrieval system 2.1.C Investigates the scope, content, and organization of information retrieval systems 2.4.B Identifies gaps in the information retrieved and determines if the search strategy should be revised	2.4.C Repeats the search using the revised strategy as necessary 2.5.D Records all pertinent citation information for future reference 2.5.E Uses various technologies to manage the information selected and organized	3.1.B Reads the text and selects main ideas 3.1.C Identifies verbatim material that can be then appropriately quoted 3.2.A Examines and compares information from various sources in order to evaluate reliability, validity, accuracy, authority, timeliness, and point of view or bias 3.3.A Recognizes interrelationships among concepts and combines them into potentially useful primary statements with supporting evidence
Capstone Experience	1.1.F Recognizes that existing information can be combined with original thought, experimentation, and/or analysis to produce new information 1.2.F Realizes that information may need to be constructed with raw data from primary sources 3.7.A Determines if original information need has been satisfied or if additional information is needed	2.1.A Identifies appropriate investigative methods (e.g., laboratory experiment, simulation, fieldwork) 2.2.E Implements the search strategy in various information retrieval systems using different user interfaces and search engines, with different command languages, protocols, and search parameters 2.2.F Implements the search using investigative protocols appropriate to the discipline 3.7.C Reviews information retrieval sources used and expands to include others as needed	2.3.C Uses specialized online or in person services available at the institution to retrieve information needed (e.g., interlibrary loan/document delivery, professional associations, institutional research offices, community resources, experts and practitioners) 2.3.D Uses surveys, letters, interviews, and other forms of inquiry to retrieve primary information	3.2.B Analyzes the structure and logic of supporting arguments or methods 3.3.B Extends initial synthesis, when possible, at a higher level of abstraction to construct new hypotheses that may require additional information 3.3.C Utilizes computer and other technologies (e.g. spreadsheets, databases, multimedia, and audio or visual equipment) for studying the interaction of ideas and other phenomena 3.3.D Tests theories with discipline-appropriate techniques (e.g., simulators, experiments)

	Create a Product Apply new and prior information to the planning and creation of a particular product or performance	Communicate the Product Communicate the product or performance effectively	Information Issues Demonstrate an understanding of the ethical, legal, and socio-economic issues surrounding information and information technology	Information Discourse Validate the understanding and interpretation of information through discourse with other individuals, subject area experts, and/or practitioners
E121 Library		4.3.D Communicates clearly and with a style that supports the purposes of the intended audience	5.1.D Demonstrates an understanding of intellectual property, copyright, and fair use of copyrighted material 5.2.B Uses approved passwords and other forms of ID for access to information resources 5.2.C Complies with institutional policies on access to information resources	1.2.C Identifies the value and differences of potential resources in a variety of formats (e.g., multimedia, database, website, data set, audio/visual, book) 1.2.D Identifies the purpose and audience of potential resources (e.g., popular vs. scholarly, current vs. historical) 3.6.A Participates in classroom and other discussions
Gen Ed Experience	4.1.B Articulates knowledge and skills transferred from prior experiences to planning and creating the product or performance	3.4.F Integrates new information with previous information or knowledge	5.1.A Identifies and discusses issues related to privacy and security in both the print and electronic environments 5.1.B Identifies and discusses issues related to free vs. fee-based access to information 5.1.C Identifies and discusses issues related to censorship and freedom of speech 5.2.D Preserves the integrity of information resources, equipment, systems and facilities	1.2.A Knows how information is formally and informally produced, organized, and disseminated 1.2.B Recognizes that knowledge can be organized into disciplines that influence the way information is accessed 3.6 B Participates in class-sponsored electronic communication forums designed to encourage discourse on the topic (e.g., email, bulletin boards, chat rooms)
Research Course	4.1.A Organizes the content in a manner that supports the purposes and format of the product or performance (e.g. outlines, drafts, storyboards) 3.4.G Selects information that provides evidence for the topic 4.1.C Integrates the new and prior information, including quotations and paraphrasings, in a manner that supports the purposes of the product or performance 4.3.B Uses a range of information technology applications in creating the product or performance	4.3.A Chooses a communication medium and format that best supports the purposes of the product or performance and the intended audience	5.2.A Participates in electronic discussions following accepted practices (e.g. "Netiquette") 5.2.E Legally obtains, stores, and disseminates text, data, images, or sounds 5.2.F Demonstrates an understanding of what constitutes plagiarism and does not represent work attributable to others as his/her own 5.3.A Selects an appropriate documentation style and uses it consistently to cite sources	1.1.A Confers with instructors and participates in class discussions, peer workgroups, and electronic discussions to identify a research topic, or other information need 1.4.B Describes criteria used to make information decisions and choices 4.2.B Reflects on past successes, failures, and alternative strategies
Capstone Experience	4.1.D Manipulates digital text, images, and data, as needed, transferring them from their original locations and formats to a new context 4.2.A Maintains a journal or log of activities related to the information seeking, evaluating, and communicating process	4.3.C Incorporates principles of design and communication	5.2.G Demonstrates an understanding of institutional policies related to human subjects research 5.3.B Posts permission granted notices, as needed, for copyrighted material	1.2.E Differentiates between primary and secondary sources, recognizing how their use and importance vary with each discipline 3.6.C Seeks expert opinion through a variety of mechanisms (e.g., interviews, email, listservs)