Importance for Mission as a Liberal Arts College


Liberal Arts Focus

• Competencies within a metacognitive frame:
  – reflection / resourcefulness / lifelong learning
  – design thinking
  – digital scholarship
  – critical audiovisual production
  – Communication

• Reflect > Build > Articulate > Iterate!
Focus on Women’s Empowerment
Focus on Women’s Empowerment

← Key allies in Career Peers …

… and Engineers and Makers Club →
Importance for Mission as a Women’s College
The BMC Framework at a Glance

- Digital Survival Skills
- Digital Communication
- Critical Making, Design & Development
- Data Management & Preservation
- Data Analysis & Presentation
The BMC Framework at a Glance

Brymawr Digital Competencies Framework

Publication Date
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Language
English

Material Type(s)
Curriculum Standards

Media Format
Text/HTML, Downloadable docs

Abstract
The digital competencies outlined here are the fruits of both top-down and bottom-up initiatives at Bryn Mawr College. The Board of Trustees’ Digital Bryn Mawr Task Force Report has charged Library and Information Technology Services and the College generally with ensuring that students...
The BMC Framework at a Glance

- Learning how to assess your information needs, identify appropriate digital information sources and finding aids, and recognize when digital and digitized sources are inappropriate or insufficient.
- Developing a critical understanding of how search engines and algorithms work, how to use them effectively, and their limitations and appropriate use contexts.
- Developing a critical understanding of how common indexing schemes work, how to use them effectively, and their limitations and appropriate use contexts.
- Learning to find and use database- or site-specific filters and Boolean, wildcard, or other specialized search functions to effectively refine searches.⁴

2. Digital Communication

2.1 Collaborative communication
Developing this competency involves:
- Becoming familiar with and comfortable using a range of digital collaboration tools, such as file-sharing systems, collaborative editing and annotation tools, discussion forums, blogs, online chat, or web-conferencing.
- Learning how to effectively and conscientiously use these tools to work with others both synchronously and asynchronously.
- Developing critical perspectives and skills needed to co-create knowledge.
- Valuing user-generated content and evaluating contributions made by others.⁴

2.2 Digital writing and publishing
Developing this competency involves:
- Learning to effectively use digital word processing software to produce complex, professional, printed documents. Depending on your major and interests, this may involve learning:
  o To typeset mathematical or scientific formulae (e.g., with LaTeX)
  o To type and proof documents in multiple languages
  o To provide references in footnotes or endnotes.
  o To embed, format and caption images, charts, or tables
- Becoming familiar with and comfortable using textual mark-up languages, such as HTML, Wiki Markup, Markdown, LaTeX, XML, and MathML.

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³ "Information Has Value." Framework for Information Literacy for Higher Education.
³ "Searching as Strategic Exploration." Framework for Information Literacy for Higher Education.
⁴ "Information Has Value" and "Scholarship as a Conversation." Framework for Information Literacy for Higher Education.

Bryn Mawr Digital Competencies Framework

The digital competencies articulated here provide a framework intended to help individual Bryn Mawr students:
- Identify the digital skills and critical perspectives they will need to be 21st century leaders.
- Seek curricular and co-curricular opportunities to hone those skills and perspectives while at Bryn Mawr College.
- Develop ways of articulating and demonstrating their competencies to various audiences.

The framework is designed to be comprehensive and suggestive, but not a checklist that all students must
Students at the Center
Curricular and Co-Curricular Integration
Many Pathways to Success
Leveraging Campus Partnerships

**Faculty**
- Departmental Outreach
- Faculty interviews
- Faculty seed grants
- CLIC/Curriculum

**Dean's Office**
- First-Year Programming
- Study Abroad

**LILAC**
- Alumnae Talks
- Career Peers
- Intensives
- Sophomore Plan
- Summer Internship Program

**Admissions Office**
- Prospective Students
- Admitted Students

**LITS**
- Blended Learning
- Digital Scholarship
- Information Literacy
- Information Security
- Tech Talks

**Institutional Research**
- Senior Exit Survey
- Alumnae/i Surveys

**Communications**

**Development and Alumnae/i Relations**

**President & Senior Staff**

**Digital Communication**

**Data Management & Preservation**

**Data Analysis & Presentation**

**Critical Making, Design & Development**

**Digital Survival Skills**
Organizational Transformation
Providing a Map to Opportunities

Digital Competencies

Digital Survival Skills

- 1.1 Networks and file management
- 1.2 Identification and lifelong learning
- 1.3 Troubleshooting

Digital Communication

- 1.4 Interactive communication

Critical Making, Design and Development

- Write or read code
- Plan a project using quick prototypes and small changes based on user input
- Organize a group project with multiple people and deadlines
- Do a research project requiring you to build something online, rather than write a paper or take a test

Upcoming Events

- Tech Talk: Reports from Our Digital Summers
  4:00pm - 5:00pm September 19, 2017
- Data and You Intensive
  9:00am - 4:00pm September 23, 2017

September Newsletter
Find out upcoming events, the Competency of the Month, and a fun way you can build your skills this month.

Building 21st Century Skills in a Small Liberal Arts College Setting

We know that being able to work digitally and, more importantly, being able to tell a convincing story about their digital competencies helps undergraduates launch their careers. The Digital Competencies initiative helps students forge a meaningful path from their first-year college orientation course through to their senior year career planning. Using a framework of skills ranging from basic computer survival skills all the way to advanced techniques in data, digital communication, and critical making, students surface opportunities to build their digital
Integration with Innovation Funding

Digital Bryn Mawr Seed Grants

LITS invites Bryn Mawr faculty, staff, and students to apply for seed grants to support digital activities—broadly construed.

Digital Bryn Mawr seed grants are intended for use in projects that are focused on digital technologies, regardless of discipline, department, or expertise. We welcome proposals from seasoned experts, and everyone is encouraged to propose projects in a range of stages or phases of development, from research prototypes or pilot projects for a competitive grant to full-blown course development.

We may provide full or partial support for:

7. What is your proposal primarily for? *
   - course
   - academic research
   - event
   - professional development
   - Other

8. What digital competencies do the activities in this proposal help students gain? *(https://www.brynmawr.edu/digitalcompetencies) *

Enter your answer
Building in Assessment

- **Metrics for Success**—Board-level tracking via Strategic Directions and Program-level tracking for continuous improvement

- **Students Articulating Compelling Stories**
Assessment and Iteration: Opportunities for Students to Self-Assess

How would you describe yourself?

- Someone who knows how to fix things
- Someone with a story to tell
- Someone who knows how to find the answers
- Someone who likes making things

Total of Digital Competencies through Summer 2017
“These are things you do every day, in your rooms, your dorms, your club activities. The only difference is doing it consciously.”
—Leslie Goloh (BMC 2019)
Assessment and Iteration: Telling Compelling Stories

Stories

This section includes interviews with students, course highlights, opportunities for students/staff/faculty, and a monthly newsletter on Bryn Mawr Digital Competencies Initiative happenings, on campus and beyond.

Happy File Fitness Month!
*Posted April 3rd, 2018*

Time to spring clean your files!

Domain of One's Own

Bryn Mawr students, faculty and staff have access to Digital Bryn Mawr, a site for free experimentation with the web's...
Example Portfolio
In Their Own Words: Students on the Digital Competencies

Augmented Reality for Women's Empowerment

A Framework for Articulation of Capabilities
Thank you!

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