Since Bryn Mawr’s founding in 1885, our curriculum has been grounded in challenging young women to pursue deep inquiry and self-reflection. We want our students to continue to discover their unique talents and passions, to be encouraged to take risks and explore new ideas, and to have time to do the things they truly love. The Personalized Pathways program allows exactly that, and helps us to recognize and celebrate what our students are accomplishing at Bryn Mawr and beyond.

The STEM/Entrepreneurship Pathway supports students who want to pursue either a STEM focus or an entrepreneurship focus through coursework and experiential learning opportunities.

**Logistics**

- Students in the STEM/Entrepreneurship Pathway should select appropriate courses as they build their Upper School academic schedule.
- Students maintain a STEM/Entrepreneurship portfolio that documents and reflects on their creative projects, service, and leadership.
- Students who complete a senior year Capstone project receive a STEM/Entrepreneurship Scholar designation on their Bryn Mawr transcript.

**Program Requirements**

**FRESHMAN YEAR**
- Students complete one mathematics, one science, and one-half computer science credits
- Students apply for either STEM or Entrepreneurship Pathway along with course requests for sophomore year [March 2018]

**SOPHOMORE YEAR**
- Students take core schedule of math, science, English, history, world language, and arts elective
- Select a STEM/Entrepreneurship Pathway related elective from approved course list*

  **Sample Approved Semester Electives Include:**
  - STEM Research Methods
  - Entrepreneurship
  - Robotics
  - Honors Programming iPhone Apps
  - Industrial Design

**JUNIOR YEAR**
- Students take core schedule of math, science, English, history, world language, and public speaking
- Select a STEM/Entrepreneurship Pathway related elective from approved course list*

  **Sample approved semester electives include above-mentioned courses plus:**
  - AP Computer Science (Year)
  - Honors Engineering our Energy Future
  - Principles of Engineering
SENIOR YEAR

- Students take core courses to fulfill Bryn Mawr graduation requirements
- Select a STEM/Entrepreneurship Pathway-related elective from above-mentioned courses or approved coordinated courses
- STEM/Entrepreneurship Capstone
  
  Students may opt to complete a STEM/Entrepreneurship Capstone. This phase of independent research requires the student to identify their field of study, complete research, and create prototypes of their work when applicable. Areas of study could include topics ranging from cancer research to new product/service development. In the second semester, students will present their research, product, or service to a public audience.

Experiential Learning

Students must earn a minimum of five experiential learning credits by the end of the first semester of senior year. A maximum of two credits can be applied to the designation from any one experience. All experiences must be approved by an STEM/Entrepreneurship Pathway mentor and documented in the student’s portfolio. Students are encouraged to develop additional experiential opportunities in conjunction with advisors.

POSSIBLE EXPERIENCES FOR 1/2 CREDIT

- Lead or sponsor a convocation/assembly with a STEM/Entrepreneurship focus
- Attend three talks/presentations at organizations outside of the Bryn Mawr community related to STEM/Entrepreneurship
- Host a STEM/Entrepreneurship expert on campus during lunch or fifth period
- Participate in a STEM/Entrepreneurship conference, STEM Career Fair, workshop, seminar, or videoconference
- Lead or actively participate in a STEM/Entrepreneurship club or organization
- Participate in a STEM/Entrepreneurship-related competition (i.e. robotics, entrepreneurship, 3-D printing, etc)
- Serve as a peer mentor for fellow students

POSSIBLE EXPERIENCES FOR 1 CREDIT

- Complete your community service requirement (50 hours) with a STEM/Entrepreneurship-minded organization
- Work at a summer job with STEM/Entrepreneurship focus
- Participate in a STEM/Entrepreneurship-focused international trip
- Propose and get approval for specific project or event
- Additional options subject to approval

POSSIBLE EXPERIENCES FOR 2 CREDITS

- Four-week or longer STEM/Entrepreneurship internship

FOR MORE INFORMATION ABOUT THE STEM/ENTREPRENEURSHIP PATHWAY CONTACT:

Justin Curtis, Technology Director, CurtisJ@brynmawrschool.org
or Eric Elton, STEM Director, EltonE@brynmawrschool.org