STEM MAGNET PROGRAM

DR. KIMBERLY BOLIG
DIRECTOR, STEM EDUCATION CENTER
AGENDA

- Why STEM?
- Why STEM Magnet?
  - Overview of program
  - From our instructors
  - From our students
- Requirements to apply
- How to apply
- Acceptance process
- Requirements upon acceptance
- STEM Magnet 2015-2016
- Questions?
WHY STEM?

- STEM careers:
  - make a difference in the world
  - use creativity and imagination
  - explore and experiment
  - travel
  - collaborate
  - pay well
WHY STEM MAGNET

• Take college courses while still staying in high school
• Join a cohort of STEM-interested students from 11 school districts
• Get up to 30 credits for college before freshman year
• Have opportunity to interact with professionals in the field
• Workshops to prepare for college and career

• But don’t just take my word for it …

• Dr. John Polhill, Professor Math, Computer Science, & Statistics
• Matthew Yackiel, Class of 2015
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• What our students say …
“I’m glad I’m in the program because it is really beneficial and will help me with what I want to do in life. ... The professors are open and easy to talk to here. I like having the ability to go to them with questions. The program also gives me the chance to meet students in other schools who want to go into the same career. I think it is definitely a great program because it helps with the transition into college.” — Katelyn, Berwick Area High School

I like the supplemental experience that I get in science and technology in the program that I don’t get in high school. I’m planning on going into mechanical engineering because I like that it is creative; you get to design and build new things that weren’t there before. Now I’m getting experience and knowledge to do this plus I’m with students from the area who have the same interests but sometimes different insights.” — Stephen, Central Columbia Area High School
REQUIREMENTS TO APPLY

- Current sophomore
- Math
  - Algebra I
  - Algebra II
  - Geometry
- Two years of science
- Science teacher, math teacher or guidance counselor recommendation
- Minimum 95% attendance record
HOW TO APPLY

• Application
• Academic distinctions or honors
• Essay
• Teacher/Guidance Counselor Recommendation
• Financial Aid Application

www.bloomu.edu/stem
ACCEPTANCE PROCESS

1. APPLY BY APRIL 15, 2015
2. RECEIVED EMAIL CONFIRMING APPLICATION RECEIPT
3. REVIEWED BY PANEL OF REGIONAL LEADERS
4. NOTIFICATION OF ACCEPTANCE BY MAY 1, 2015
5. CONFIRMATION INFORMATION MAILED ALONG WITH SUMMER SCHEDULE
REQUIREMENTS UPON ACCEPTANCE

• 2-YEAR COMMITMENT
• 4 DAYS PROGRAMMING IN SUMMER – Knoebles 7/10
• ENROLLMENT IN 2 COURSES PER SEMESTER (SUMMER OPTIONAL)
• WINTER PROGRAMMING DURING BREAK
• WILLINGNESS TO LEARN AND PARTICIPATE
• COMPLIANCE WITH BLOOMSBURG POLICIES
• PARTICIPATION IN ALL PROGRAM ACTIVITIES
STEM MAGNET 2015-2016

• 2 COURSES IN FALL & SPRING – Begin 8/24
• STUDY LAB
• WINTER BREAK 2015 PROGRAM
• SPEAKERS & WORKSHOPS
• BLOOMSBURG FAIR WEEK
• TUTORS & PROFESSOR HOURS
• FIELD TRIPS
FALL 2015 COURSES

• ENGINEERING TRACK
  • CRYPTOLOGY (MWF 12-12:50)
  • JAVA 1 (TH 12-1:45)
  • STUDY (MWF 1-1:50)

• HEALTH SCIENCES TRACK
  • MEDICAL ETHICS (MWF 12-12:50)
  • VISUAL BASICS 1 (TH 12:30-1:45)
  • STUDY (MWF 1-1:50)
COST

➤ $700 – $930 per semester
➤ $100 - 200 books per semester
QUESTIONS?

DEADLINE TO APPLY: APRIL 15