

THOMAS M. CHIRDON

321 West Nittany Avenue
State College, PA 16801
(814) 931-7298

tomchirdon@psu.edu

RR 5 Box 731
Altoona, PA 16601
(814) 941-3913

OBJECTIVES

To gain work experience in the Architectural Engineering field while utilizing and developing my learned skills and applying my creativity and motivation.

EDUCATION

The Pennsylvania State University, University Park, PA

- **Master of Architectural Engineering with a Minor in Architecture**

- Five year ABET Accredited Program
- Fifth year student - Mechanical Option
- Expected Graduation date: May 2009
- Cumulative GPA 3.32/4.00
- Senior thesis portfolio: <http://www.engr.psu.edu/ae/thesis/portfolios/2009/tmc5003/>
- Passed the FE Exam April 2007– **Eligible for EIT upon graduation.**
- Sede Di Roma - Study Abroad Program.
 - The Pennsylvania State University, Rome, Italy Summer 2007

WORK EXPERIENCE

Southland Industries, Dulles, VA

Summer 2008

- Design and layout ducts and piping.
- Worked on central heating and central cooling plant.
- Calculate loads and pick necessary equipment.
- Worked on multiple projects with various systems and requirements.

Hayes Large Architects, Altoona, PA

Summer 2006-Spring2008

- Calculated building loads, evaluating them to meet ASHRAE Standards and Building Codes.
- Surveyed existing conditions and interpreted existing drawings.
- Configured layout and size ductwork and equipment.
- Gained experience with Geothermal Systems.
- Attained experience with LEED certification in buildings.

The Pennsylvania Department of Transportation, Altoona, PA

Summer 2005

- Engineering Intern with the Traffic Department District 9.
- Analyzed traffic patterns, vehicle type, and volume to determine road construction needs.

AWARDS AND ACTIVITIES

Dean's List

Skydiving

Student Member, Penn State ASHRAE.

Fishing

Architectural engineers Institute, national chapter

Hunting

Student Member Mechanical Contractors Association of America.

RELEVANT COURSES

Advanced HVAC Design

Structural Building Design

Acoustics

Advanced Elec. Sys. Design

Thermodynamics

Fluid Flow

ASSOCIATED SKILLS

Computer: AutoCAD, Autodesk Building System, Revit, SketchUp, Carrier's HAP, Trane Trace.

REFERENCES: Available upon request.