

Jennifer Swartout  
1621 Napoli Drive West  
Sarasota, Florida 34232  
941-737-7143 e-mail: jswartout@aol.com

### *Professional Profile*

Eager to bring students into the twenty-first century using a unique combination of education experience coupled with over fifteen years' business background in the construction industry.

- x Hold a Master's of Science Degree in Mathematics.
- x Hold a Bachelor's Degree in Applied Mathematics.
- x Experienced in use of the Internet and educational software.
- x Dedicated to enthusiastic and dynamic teaching with a goal of creating and nurturing a lifelong love of knowledge in students.

### *Education, Honors, and Certifications*

Masters of Science Mathematics

Nicholls State University, Thibodaux, Louisiana May 2012

Graduate Certificate, Instructional Technology, Multimedia Design

University of South Florida, Tampa, Florida, May 2018

Educational Specialist Program Instructional Technology

University of South Florida, Tampa, Florida, Anticipated Completion May 2023

Bachelor of Science Applied Mathematics

University of West Florida, Pensacola, Florida 1992

Associate of Science Civil Engineering Technology

Manatee Community College, Bradenton, Florida 2001

International Honor Society (Phi Theta Kappa) Member

International Honor Society (Kappa Delta Pi) Member

Certifications

State of Florida Eligibility Letter of Certification in Mathematics (Grades 6-12)

State of Florida License Building Contractor CBC 1253505

ANGEL I & II Certified Online Courses

CANVAS Certified Online Courses

BlackBoard Certified Online Courses

"Applying the Quality Matters Rubric Certified for Online Courses

### *Key Qualifications*

Plan and instruct each subject area using wide variety of teaching aids, motivational and implementation strategies to engage students in active learning.

Implement technological applications: PowerPoint, MS Project, MS

Outlook, WordPerfect, Lotus123, AutoCAD, SAS

- x Internet instructional programs: MyMathLab, BlackBoard, ANGEL, Moodle, CANVAS
- x Working knowledge of the Internet



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- Poster Session Presentation: Immersive Technology
- x State College of Florida:
    - Diversity in the Classroom, Fall 2012
    - Best Practices for Student Engagement, Spring 2012
    - Taming the Grading Monster, Fall 2014
  - x MAA/FTYCMA:
    - Attended Joint Meeting, Spring 2016
    - Attended Joint Meeting, Spring 2017
  - x Pearson North America Education:
    - Teaching and Technology, Fall 2016
  - x IVY Tech Community College:
    - Online Course Mentor, Fall 2014
  - x National Council of Teachers of Mathematics

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## Teaching Philosophy

Higher education is the cornerstone for advancement in today's job market. The way that I approach teaching mathematics is to build a foundation for students to succeed in mathematics as well as other areas of their life. I have spent many years in the construction industry and I am able to relate mathematics to real world situations. For example, when teaching the Pythagorean Theorem, I am able to explain how this is applicable to building construction and how the masons use it to ensure a square foundation for the building. Another example would be similar triangles, in the sign industry I would have to use a photograph and a known height of an object to determine the overall height and size of a sign.

The measure of my success is when a student thanks me for teaching them and has had personal success in the classroom. Why I am teaching? At age 10 I had intended on teaching, but I started in the construction industry and continued on with this as a career path. I was diagnosed with cancer in 2006 and evaluated my career goals and I knew construction was not my passion. I decided to work on a master's degree in Mathematics while I was recovering so that I could teach. I know, why someone would do that, I truly love teaching mathematics and I am excited that I now have the opportunity in the classroom to share the knowledge that I gained through my education and real world experiences.

In the classroom I strive to challenge the students and keep them engaged – doing problems together and asking follow-up questions. Students like to learn this way and feel fulfilled when they come away from the classroom using this technique. I have found that students learn better actively than passively. I strive to present my lectures in a logical sequence and build upon the previous skills that the student has learned and in doing so the student can understand the material in a rational manner. I am always available to my students for questions whether it is in the classroom or outside of the classroom. When teaching I ensure that the students know that I care about their progress and success in the classroom. Whether they are the strongest student in the classroom or the weakest each of them receives the same amount of respect and quality instruction from me.

I currently work with students in the classroom face-to-face as well as learning through MyLab Math. For many students, especially developmental course, students need the experience in the classroom to further their mathematics. Many do not have the skills, such as note taking, problem solving, and computer skills to be successful in mathematics courses. For the students in higher level mathematics course, I continue to reinforce the skills they have already acquired. I teach in the classroom and teaching in a more business-like environment. I believe that the students feel that they are more respected. During classes I use the internet and other multimedia to introduce new areas or review areas that have already been completed, for reinforcement of the subject matter. I completed my master's degree through an online program and understand the difficulty that a student would face if the internet is essential to success. Communication through email and face-to-face meetings, such as Skype, are needed to learn through an online program.