



# GASCalc™ Training Class

**Title:** Introduction To GASCalc 4.0

**Level:** Basic/Beginner

**Industry Sector:** Transmission & Gathering Systems

**Duration:** Approximately 1.5 days

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This course is intended for the new, occasional, or regular User of the GASCalc software. The course will cover an introduction to the routines and features available in the latest version of the GASCalc software, with an emphasis on transmission and gathering style piping systems.

The course consists of both classroom and extensive hands-on training, allowing the student to gain an understanding of both the concepts and functional operation of performing calculations using the GASCalc software. Topics to be covered will include:

- An introductory review of applicable functions and features found in the latest version of the software.
- Students will work through several calculation examples including:
  - Gas Properties
  - Compressibility
  - Atmospheric Pressure
  - Orifice Meters
  - Pipe Sizing
  - Steel & Plastic Pipe Design Formula
  - Buoyancy (water-way crossings)
  - Blowdown Time
  - External Loading & Bending Stress
  - Thermal Expansion
  - Regulator Station Overpressure Protection - Monitors & Relief Valves
  - Gas Loss From Damage
  - Unit/Energy Conversions
- Working with the various property tables.
- Student suggested topics and example models.

The class is intended for beginning to moderately experienced users. Attendees should have a basic understanding of using Window based software applications. Although general system design and operation topics will be discussed during the course, the course itself is not intended to provide detailed training in these topics. The attendee should have a basic understanding of the operation and design of natural gas piping systems.

Students are encouraged to bring example models/problems. A portion of the class time will be set aside for working with student examples and specific topics of interest.

# Registration Form

To register, please complete the following form and return the completed form by email, mail, or fax.

## Course Selection (Select One Only)...

- Basic GASWorkS For Distribution Systems - \$495
- Basic GASWorkS For Transmission & Gathering Systems - \$495
- Basic GASWorkS For Gas Piping Systems - \$495
- Basic GASCalc & GASWorkS For Gas Piping Systems - \$695
- Basic GASCalc For Distribution Systems - \$395
- Basic GASCalc For Transmission & Gathering Systems - \$395
- Basic StationManager - \$495
- Basic GASWorkS US Design Module - \$495
- Advanced GASWorkS - \$495

## Course Date:

\*\*\* Registration is contingent upon available space - *do not* make travel arrangements until your registration has been confirmed.

## Student Information

<b>Name</b>			
<b>Preferred Name</b>			
<b>Company</b>			
<b>Street Address</b>			
<b>Street Address</b>			
<b>City</b>		<b>State</b>	
<b>Country</b>		<b>Postal Code</b>	
<b>Telephone Number</b>		<b>Fax Number</b>	

## Payment Option: Check Enclosed Credit Card

<b>Payment By Credit/Debit Card...</b>		<b>Type</b>	<input type="radio"/> Amex <input type="radio"/> MasterCard <input type="radio"/> Visa
<b>Name On Card</b>		<b>Signature</b>	
<b>Account Number</b>		<b>Expiration Date</b>	

Payment must be made at the time of registration unless other arrangements have been previously made with us. If you have questions about completing this form or the class, please feel free to contact us. Thank you for your registration...

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