



# INVITATION TO BID # 481

Luzerne County Community College wishes to solicit bids for the work listed below. Bids must be received in the College's Purchasing Department (Building #5, Room 513) by Noon on Monday, April 16, 2018.

Luzerne County Community College reserves the right to waive any informalities, irregularities, defects, errors or omissions in, or to reject any or all proposals or parts thereof.

Under the Right to Know Law, the College is required to post to the PA Treasury Website all documents (BPO, PO, contract or agreement) for transactions valued at \$5,000.00 and above.

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### BID # 481

### MASS SPEC-GAS CHROMATOGRAPH SYSTEM TO INCLUDE PC AND SOFTWARE

<u>Item</u>	<u>Quantity</u>	<u>unit price</u>	<u>total price</u>
1. Mass Spec-Gas Chromatograph System to include PC and Software	1	_____	\$ _____

**TOTAL COST** \$ \_\_\_\_\_

\*\*\*\*\*  
Company Name \_\_\_\_\_

Address: \_\_\_\_\_

Typed Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Telephone:( ) \_\_\_\_\_ FAX:( ) \_\_\_\_\_

## SPECIFICATIONS

<b>Core Specifications</b>	
<b>Specification</b>	<b>Description</b>
One Vendor Solution	The sample introduction device, gas chromatograph, and mass spectrometer shall be purchased from, installed by and serviced by the same vendor to avoid questions of repair responsibility.

<b>Mass Spectrometer Specifications</b>	
<b>Specification</b>	<b>Description</b>
Ionization Modes	Must have EI standard
Ion Source Type	Must be easily maintained
Source Operating Temperature	Must be settable from 50°C to 350°C.
Filament	Must be of sufficient quality such that only a single filament need be installed in the unit.
Ion Source and Filament Servicing	<ul style="list-style-type: none"> <li>• Must be easily serviceable preferably without exposing the quadrupole assembly and detector from the vacuum chamber,</li> <li>• Filament and ion optics components should be replaceable without the use of tools.</li> </ul>
GC Transfer line	Must have independent temperature control over the same range as the ion source.
GC Flow Rate	Must accept GC column flow rate up to 1.5 mL/min using a direct capillary interface (i.e., without using an open split or jet separator interface).
Mass Range	Must have an operating range of 1.0-1,200 u (amu).
Resolution	Must have unit mass.
Dynamic Range	Must have a linear dynamic concentration range of at least 10 <sup>5</sup> .
Scan Rate	Must be capable of acquiring and recording to disk up to 12,500 u/sec in full scan mode.
Ion Trap Technology	Must be of advanced design and not require the use of Ion Trap technology to achieve high sensitivity.
Quadrupole pre-filter	Must come standard with RF-only pre-filter quadrupole rods to prevent contamination of the analytical quadrupole.
Quadrupole	Must have metallic quadrupole robust enough to allow cleaning of any contaminants; thin films are not acceptable.
Detector	Must utilize a discrete dynode electron multiplier with independent neutral and charged particle removal technologies (i.e., double focusing ion optics at the detector entrance and 270° flight path).
Tuning	Must have Autotune and user selected manual tune.
Pumping System	Must come standard with a 75 L/sec (nitrogen) air-cooled turbomolecular pump with the option for liquid cooling.
Vacuum Gauge	Must come standard with a wide-range gauge

## Gas Chromatogram Specifications

Specification	Description
Gas Flow Control	Must come standard with programmable pneumatic control
Inlet Configuration	Must be configurable to two injector ports with the following options: Split/Splitless capillary, Programmable split/splitless capillary, Programmable on-column capillary, or Packed injector.
Inlet Usability	Dual injector ports must be able to be utilized sequentially without the need to reconfigure including operation with external transfer line.
Auto sampler	<ul style="list-style-type: none"> <li>• Injection into Front or Rear channel</li> <li>• Programmable vial sequence</li> <li>• User selectable sample size</li> <li>• Should not have samples sitting over injection port</li> </ul>
Oven Performance	
Heating	Must have ability to perform programmable ramps
Cooling	<ul style="list-style-type: none"> <li>• Must have the ability to perform cool-down such as from 250°C to 50°C in less than five minutes</li> <li>• Must have the option to operate below ambient temperature (down to -99°C) using cryogenic cooling.</li> </ul>
Detector Configuration	Must be configurable to two detectors.

## Data Management System Specification

Specification	Description
Computer	Must use a computer of known make
Operating System	Must run native in Microsoft Windows 10 OS
Software:	
Data Acquisition	Must be able to collect mass spectra simultaneously with up to two standard GC detector data (e.g., FID) in the same chromatogram.
Simultaneous Scan and SIM data	Must be able to acquire intermixed and time-overlapping full scan and SIM data for maximum sensitivity.
Data Workflow	Must be able to review quantitative peak identification in a single environment. This environment must include quantitation tables, calibration curves, raw spectra, background subtracted spectra, reference spectra from the quantitative method, ion ratios plots and calculations, and peak integration display.
MS libraries	Must be able to library search compounds from a chromatogram (commercially available or user generated) and use the information to construction quantitation methods.
Reporting	Must have built-in reporting functionality to generate industry-standard reports with the ability to customize report templates as necessary.

- Autosampler
- Front and rear capillary PPC injection ports
- Single wide range FID with PPC
- NIST library
- Installation & training
- One year warranty



**LUZERNE COUNTY COMMUNITY COLLEGE GENERAL CONDITIONS OF BID for NON-  
CONSTRUCTION**

In addition to the enclosed material specifications, Luzerne County Community College (LCCC) requires all Bidders to comply with the following:

1. Bids must be sent by Certified Mail, return receipt requested, by shipping company that tracks deliver, or delivered personally to the Purchasing Department and **clearly identified as a bid, including the Bid Number**. Bids must be **sealed** and submitted on the enclosed "**Invitation To Bid**". Send bids to:

**PURCHASING DEPARTMENT  
LUZERNE COUNTY COMMUNITY COLLEGE  
1333 S PROSPECT ST  
NANTICOKE PA 18634-3899**

2. Bids must be received prior to the bid opening stated on the "Invitation to Bid". The bids will be publicly opened and read aloud at that time. Bids received after that date and time will not be accepted. All Bidders are invited to attend bid openings.

3. A **CERTIFIED CHECK, CASHIER'S CHECK, BANK CHECK, MONEY ORDER, OR BID BOND** payable to LCCC, in the amount of ten percent (10%) of the total bid price must accompany each bid. In the event any Bidder shall upon award of the bid, fail to comply with the conditions guaranteeing the performance of the bid, such certified check or bid bond shall be forfeited to LCCC.

4. **NO TAX** should be included in the bid price, as LCCC is tax exempt.

5. Quality of goods and specifications must be acceptable to LCCC. **Equivalent** items will be considered UNLESS "No Substitutions" is listed on the Invitation to Bid. However, where substitutes are submitted, the Bidder shall so **indicate in its bid and furnish literature and specifications for the substitute items. Proof of equivalency is the responsibility of the Bidder.** If requested by LCCC, samples of equivalent items must be furnished to LCCC for evaluation. All samples must be supplied and returned at the Bidder's expense.

6. Bidders are requested to submit a bid on all items. A partial bid is acceptable unless "Partial bids will not be accepted" is specifically stated on the Invitation to Bid.

7. Bid prices shall **INCLUDE** all **SHIPPING AND HANDLING** fees. Delivery, assemble and install must apply to all items. Items must be shipped prepaid, FOB, Luzerne County Community College, 1333 SOUTH PROSPECT STREET, NANTICOKE, PA 18634.

8. Delivery shall be completed no later than **as listed in the specifications, and if not listed in the specifications, then no later than 30 days after the Purchase Order date.**

9. Questions concerning the material specifications, bid documents or interpretations of plans should be directed to: Len Olzinski who may be contacted in writing via email at [lolzinski@luzerne.edu](mailto:lolzinski@luzerne.edu) or by calling 570-740-0370\_ no later than **one (1) day unless otherwise noted** prior to stated bid opening.

10. LCCC reserves the right to reject any or all bids or select a single item; LCCC reserves the right to waive defects in the bidding process.

11. LCCC will award the bid to the lowest responsible Bidder. Responsible Bidder is defined as "in the reasonable discretion of the College based upon considerations to include promptness, faithfulness and the capacity and ability to do the work according to plans and specifications, measured by, among other things, the quality of previous work, record of completing projects on time, history of payments to subcontractors and suppliers, maintenance of permanent place of business, adequacy of equipment and plant to do the work, technical experience and whether the Bidder has a solid financial basis to guarantee contract completion."

Questions concerning any requirements of a bid may be directed to Len Olzinski, Director of Purchasing, at (570) 740-0370.

## INVITATION TO BID

### **Notice of the Purchasing and Conflict of Interest Policies in place at Luzerne County Community College ("LCCC")**

Each owner/operator/individual/officer submitting a bid or for whom a bid is being submitted on behalf of the owner (each being referred to as a "Provider") to LCCC certifies that he/she/they are not a spouse, child, parent, brother/sister (each being referred to as an "Immediate Family Member") of any LCCC employee or Board of Trustee member at LCCC who owns more than a one (1%) percent ownership interest in the Provider/Provider's business.

If the Provider is an Immediate Family Member, according to College Policy and Procedure, disclosure must be made, and LCCC may decline entering into a business relationship with the Provider. Disclosure shall be made in writing at the time of submitting the bid to the Director of Purchasing.

Violations of any of the policies or procedures may result in rejection of the bid. Additionally, LCCC may have the right to recover damages suffered by LCCC in obtaining an alternative bid, which damages may include, but are not limited to, consequential damages and reasonable attorney's fees.

Copies of these policies and procedures are available from LCCC upon request.

Luzerne County Community College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. For a complete copy of the LCCC non-discrimination policy, contact the Human Resources Office at 800-377-5222, extension 7235. Inquiries may be directed to the Title IX Coordinator, John Sedlak, Dean of Human Resources, LCCC, 1333 South Prospect Street, Nanticoke, Pennsylvania, 800-377-5222 extension 7234 ([jsedlak@luzerne.edu](mailto:jsedlak@luzerne.edu)). Inquiries related to accessibility services for students may be directed to the Section 504 Coordinator, Rosana Reyes, VP of Student Development and Enrollment Management, LCCC, 1333 South Prospect Street, Nanticoke, Pennsylvania, 800-377-5222 extension 7423 ([rreyes@luzerne.edu](mailto:rreyes@luzerne.edu)).

**Statement of No Bid Submittal**

If your company does not intend on submitting a Bid, please complete and return this form prior to the date shown for receipt of Bid to the following:

Bid # – 481  
Luzerne County Community College  
1333 South Prospect Street  
Nanticoke, PA 18634  
Attn: Len Olzinski  
[lolzinski@luzerne.edu](mailto:lolzinski@luzerne.edu)

We, the undersigned have declined to propose on the above referenced Bid for the following reasons:

- Scope of Work or Terms and Conditions are too “restrictive.” (Please explain below)
- Unable to meet requirements
- Bid was unclear (Please explain below)
- Insufficient time to respond
- We do not offer this type of service or equivalent
- Current workload would not permit us to perform
- Unable to meet insurance requirements
- Other (Please explain below)

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Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_