

APPLICATION DEVELOPER, NATIONAL ENERGY CENTER OF EXCELLENCE (NECE) (Internal/External)

SUMMARY OF POSITION: Responsible for creating, developing and maintaining computer language programs to support online and classroom curriculum material and delivery for BSC's National Energy Center of Excellence (NECE) for use in academic and non-credit offerings, laboratories, marketing, and other training offerings. Types of work supported by this position may include but are not limited to: development, testing, integration, modification, and enhancement of new and existing applications, simulations, and systems using approved programming languages.

REQUIRED QUALIFICATIONS:

- Bachelor's degree in computer science or related technology and one year programming experience in a shared environment and experience in system design/analysis or the equivalent education and experience (i.e., an appropriate associate degree and three years of experience in application development and system design/analysis, or other technical experience).
- Demonstrates knowledge of development languages (including, but not limited to: ASP.NET, C#.NET, VB.NET HTML, SQL, JavaScript, ActionScript, etc.) and environments (including, but not limited to; MS Visual Studio, Adobe Flash, Adobe Flash Builder, etc.).
- Demonstrates knowledge and background in relational database development using MS SQL.
- Demonstrates knowledge and background in Object Oriented Languages and mathematics.
- Excellent interpersonal and written communication skills.
- Ability to work with diverse personalities with all levels of computer experience.
- Ability to work under pressure on a variety of projects simultaneously.

PREFERRED QUALIFICATIONS:

- Related higher education experience.
- Extensive web based simulation development or web application experience.
- Background in energy technology.

COMPENSATION: \$36,000+ based on directly related experience. May be eligible for a salary increase after six months. Comprehensive fringe benefit package including **TIAA-CREF retirement plan and full coverage for family health insurance.**

APPLICATION DEADLINE: Until filled. *Applications must include the following:* BSC [staff application](#), cover letter, resume and official transcripts. (**NOTE:** Incomplete files will NOT be considered. Veterans claiming preference must submit all proof of eligibility by the closing date.)

STARTING DATE: As soon as possible.

For more information or assistance contact: [Human Resources](#) (701) 224-5531.

Equal Opportunity Employer
<http://bismarckstate.edu/employment/>

TITLE: Application Developer, National Energy Center of Excellence (NECE)

REPORTING RELATIONSHIP:

Is directly accountable and responsible to the Project Manager, NECE.

RESPONSIBILITIES:

Responsible for creating, developing and maintaining computer language programs to support online and classroom curriculum material and delivery for BSC's National Energy Center of Excellence (NECE) for use in academic and non-credit offerings, laboratories, marketing, and other training offerings. Types of work supported by this position may include but are not limited to: development, testing, integration, modification, and enhancement of new and existing applications, simulations, and systems using approved programming languages.

DUTIES:

1. Works with the Curriculum Development Center (CDC) to design and develop applications, simulations, and systems for use in online and classroom offerings (i.e. web based student resource scheduling systems, LMS integrated curriculum, remote laboratories, energy simulation models, etc.).
2. Works with the CDC to modify and enhance existing applications, simulations, and systems for use in online and classroom offerings.
3. Works with the CDC to research and develop technologies, applications, simulations, and systems for the purpose of enhancing the content and/or delivery of online and classroom offerings and/or providing feasible solutions regarding simulation, animation, laboratory, and other curriculum development needs.
4. Conducts/participates in training workshops to assist employees in new technologies, applications, and systems used for delivering enhanced content for use in online and classroom offerings.
5. Participates in CDC and NECE meetings and offers status and recommendations in regard to applications and systems design and development.
6. Saves, maintains, and organizes all content developed for future use.
7. Keeps abreast of design and development changes/products that impact the applications and systems used to support online and classroom curriculum material and delivery. Learns and adapts to new products/techniques as required to meet the department's needs.
8. Uses and assists in the maintenance of the department's project management and content management system(s).
9. Troubleshoots applications, simulations, and systems used in the NECE's classrooms and laboratories as well as content used/contained in the department's online Learning Management System (LMS).
10. Coordinates development and implementation of NECE applications and systems with the BSC's Information Systems department.

11. Supports innovation, creativity and ideas to improve/enhance processes, functions, etc. in the department and as a whole for the college.
12. Performs other duties as required or assigned.

KNOWLEDGE, SKILLS, AND ABILITIES:

1. Bachelor's degree in computer science or related technology and one year programming experience in a shared environment and experience in system design/analysis or the equivalent education and experience (i.e., an appropriate associate degree and three years of experience in application development and system design/analysis, or other technical experience).
2. Demonstrates knowledge of development languages (including, but not limited to: ASP.NET, C#.NET, VB.NET HTML, SQL, JavaScript, ActionScript, etc.) and environments (including, but not limited to; MS Visual Studio, Adobe Flash, Adobe Flash Builder, etc.).
3. Demonstrates knowledge and background in relational database development using MS SQL.
4. Demonstrates knowledge and background in Object Oriented Languages and mathematics.
5. Excellent interpersonal and written communication skills.
6. Ability to work with diverse personalities with all levels of computer experience.
7. Ability to work under pressure on a variety of projects simultaneously.

PREFERENCES:

1. Related higher education experience.
2. Extensive web based simulation development or web application experience.
3. Background in energy technology.

DISCLAIMER CLAUSE:

This job description is not intended, and should not be construed, to be a complete list of all responsibilities, duties, skills, efforts, or working conditions associated with the job. It is intended to be an accurate reflection of those principal job elements essential to making fair pay decisions and for determining job performance.

BROADBAND:

Band: 3000 - Professional
Sub Band: 3200 – Communications/Information Technology
Family: 3205 – Communications/Information Technology Professional
Term: 12 months
Status: Full-time Regular

8/11/11