

Edward Crawford

Erdenheim, PA - Email me on Indeed: [indeed.com/r/Edward-Crawford/7fcc4104cb889e71](https://www.indeed.com/r/Edward-Crawford/7fcc4104cb889e71)

WORK EXPERIENCE

Electrical Engineer

Life Cycle Engineering - Philadelphia, PA - 2007 to Present

Provide technical and programmatic engineering, systems analysis and operational technical assistance for the Integrated Ship Control (ISC) Program Office at NSWCCD Philadelphia, PA. Oversee the ISC systems life cycle engineering requirements on both in-service and modernization projects and initiatives. Functional support includes program planning, project and financial reviews, technology assessments, data analyses, and resolving program issues. Initiates dialogue and interface with key decision makers and program sponsors and various technical subject matter experts.

Engineering Planner

Lockheed Martin - Moorsetown, NJ - January 2006 to June 2007

Provided new ship acquisition program engineering support of business development for the Littoral Combat Ship (LCS) program. Prepared and coordinated plans and schedules for programs. Determined, monitored and reviewed costs, operational budgets and schedules, and manpower requirements for new business development initiatives. Supported and participated in negotiations with customers. Developed a unique maintenance strategy to address needs of a minimally manned vessel and pursued implementation of the strategy. Analyzed effects of projects upon various areas such as Engineering, Facilities and the labor pool to determine the most practical and cost efficient methods to obtain the required resources. Resolved proposal preparation problems and assesses the progress against established plans and parameters. Formulated and recommended corrective action measures such as schedule revisions, manpower adjustments, fund allocations, and requirements.

Engineering Program Manager

Naval Ship Systems Engineering Station - Philadelphia, PA - July 1974 to October 2005

Provided technical and engineering services and operational assistance for Science and Technology (S&T) Seabasing initiatives at the Office of Naval Research (ONR). Performed programmatic analyses, determined system performance specifications, identified and resolved interface problems, developed requirements and work statements, determined parameters, and resolved technical issues. Enabled Systems Engineering and Integration (SE&I) methodology for new technologies integrated with legacy systems. Technical support included program/project planning, program/project/financial reviews, technology assessments, earned value management system (EVMS) analyses, data analyses, and program-specific financial issues. Facilitated dialogue and interface with key decision makers, sponsors and various technical subject matter experts.

Electronic Countermeasures Repairman

United States Air Force - Various - February 1970 to December 1973

Electronics Technician on avionics system

EDUCATION

Master of Education in Mathematics

Arcadia University - Glendale, CA

2005 to 2013

Master of Science in Electrical Engineering

Drexel University - Philadelphia, PA

September 2003

Bachelor of Science in Electrical Engineering

Drexel University - Philadelphia, PA

1974 to 1978

ADDITIONAL INFORMATION

Other Qualifications: EIT PA

DAWIA Systems Engineering Level Three Certified

Member ASME A17 Safety Committee