

# Microelectronic Technician: Microelectronic Technician II

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Performs a variety of duties to support the research and development of new microelectronic, opto-electronic, micro-electromechanical and sensor manufacturing processes, devices, components, or systems, semiconductors, semiconductor-based integrated analog or digital circuits, micro-electromechanical systems, sensors systems and related technologies. Develops and applies inspection and test procedures for micro-components and micro-systems.

## **Knowledge**

Full knowledge of the job. Substantial acquaintance with, and understanding of, general aspects of the job with a broad understanding of the detailed aspects of the job. Requires ability to work in a collaborative team environment. Basic knowledge of RF test and tuning methods and test equipment. Understanding of the test equipment required to perform component level tuning and testing. Able to follow written and verbal test directions.

## **Supervision Received**

General supervision and instructions given for routine work and detailed instructions given for new activities or special assignments.

## **Consequence of Errors**

Errors may be detected and corrected but may cause moderate loss of time or customer/user dissatisfaction.

## **Contacts**

Contacts are typically with individuals within own department and occasionally with contacts outside own organization. Contacts involve obtaining or providing information or data requiring some explanation or interpretation.

## **Work Products (Examples may include but are not limited to)**

Electrical schematics, TTL logics devices, oscilloscope, spectrum analyzer, microscope, RF test and tuning methods and test equipment.

## **Minimum Education and Experience**

AA in Electronics preferred and 1 year of related experience.