

## Module 4 - Catkin Workspace

ME4140 - ROS Workshop

Mechanical Engineering

Tennessee Technological University

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- Software Packages - Review
- Directory Structure - Linux and ROS
- Catkin Workspace - Working Directory
- Tutorial 4 - Create a Package

## Software Packages - Review

In general, software is organized in **packages**

- Definition: A suite of programs that function as a single entity to accomplish a task, or group of related tasks.
- *Software in ROS is organized in packages. A package might contain ROS nodes, a ROS-independent library, a dataset, configuration files, a third-party piece of software, or anything else that logically constitutes a useful module.\*\**
- a collection of related nodes, each node belongs to a package
- many pre-built packages with ros installation: **-desktop-full**

# Software Packages - Review

# Directory Structure - Linux and ROS

# Catkin Workspace - Working Directory

# Tutorial 4 - Create a Package