

## SC151 - CHAPTER 21 LEARNING OBJECTIVES

To satisfy the minimum requirements for this course, you should master the following learning objectives.

Explain the differences between alkanes, alkenes and alkynes.

Understand the meaning of the terms “straight-chain”, “branched-chain”, “cyclic”, and “aromatic” as applied to hydrocarbons, and relate the terms to the corresponding molecular structures.

Discuss the importance of functional groups in organic chemistry and recognize the following functional groups: amines, carboxylic acids, alcohols, esters, and amides.

Write the condensation reactions that form an amide and an ester.