Objectives:

- Optimize yield and process conditions in a reaction scheme, for the preparation of an active drug component in a Hepatitis C formulation.

- Synthesize impurities found in the pilot plant phase, as reference substances for chemical characterization by the Analytical department.

- Learn about how active pharmaceutical products are developed, tested and produced.

Boehringer-Ingeheim is a privately owned international pharmaceutical company, focused primarily on research and development. I interned in a process development laboratory running a variety of different reactions and learning new lab techniques. The work required a working knowledge of organic chemistry and engineering, and through practice, enabled me to develop those skills in a very practical way. Internships are a very important part of engineering education.