1. Recognize problems amenable to solution by information technology (IT) and to solve those problems by designing and implementing computer systems according to best practices of software engineering.

2. Analyze situations in organizations that might be improved with IT, to design and implement IT that addresses those situations, and to evaluate the impact of that IT.

3. Analyze human interaction with IT systems and to design, implement, and evaluate appropriate interactions.

4. Work effectively and professionally in these areas, both as individuals and in teams: communication, client relations, and ethical behavior.