

**Aim of the study:**

1. Mastering advanced concepts, models, methods and techniques related to the field of software science specialization
2. Identifying and formulating research problems related to the field of software engineering science accurately.
3. Applying advanced mathematical, statistical and computational models and methods to solve research problems related to software engineering.
4. Evaluating, comparing, documenting and defending the outputs and results of scientific research.
5. Realizing and adhering to responsibility and ethical behavior in scientific research.

**Available employment opportunities:**

1. Graduates of the program are available to work in both academic and industrial circles as follows:
  1. As faculty members in universities to contribute to the education of future generations and conduct advanced research in software engineering.
  2. As specialized researchers in governmental or private research centers.
  3. As professionals in the field of software engineering solve research and development problems and lead the development of the software industry in Iraq.
  4. As holders of several consulting and administrative positions such as R&D consultant, senior software engineer, project manager, software development and information technology manager, chief technology officer, and others.