

Graduate Profile

Faculty of Science, University of Jaffna

The Faculty of Science aims to instill in its graduates competencies in the subject discipline, personal and professional skills and citizenship attributes through its teaching and research activities and through enhancement of the advice and support services, and cultural, social and sports related extracurricular activities.

The competencies expected to be developed in the graduates in the above three broader categories are detailed below.

1. Discipline specific competencies

- Mastery of a body of knowledge, clear understanding of the theoretical foundations, appreciation of the methodologies and ability to apply the knowledge in a range of problem solving situations in the major fields of study.
- Appreciation of the current developments and ongoing research in the major fields of study.
- Ability to collect and use information in the major fields of study by means of advanced information and communication technologies.
- Capacity to critically analyze, fuse and assess knowledge in the major fields of study
- Ability to research a given topic using scientific methods and write reports and present the findings in a range of media and formats. (Applicable to Honours degree graduates only.)

2. Personal and professional skills

- Commitment to develop open mindedness, intellectual curiosity, creativity, originality and life-long learning.
- Proactivity in the fields of initiative, flexibility, resilience and commitment.
- Ambition to excel upholding self-discipline and integrity.
- Ability to search, organize and communicate knowledge and ideas in speech and in writing.

- Capacity to recognize relevant issues based on their complexities and urgency with an understanding of their historical, cultural, ethical, legal, long-term and global aspects, make principled decisions and take responsibility for the decisions and actions.
- Ability to work independently and in teams.

3. Citizenship Attributes

- Embracement of diversity and respect for the cultures, values, rights and views of individuals or groups and high regards for equity.
- Pursuance of entrepreneurship, honourable relationships and leadership.
- Courage to speak up for the general good and to bring new ideas.
- Cultivation of aesthetic and cultural appreciation.
- Maintenance of connectedness with people and environment and sharing skills and knowledge with the community, country and the world for sustainability and development
- Ability to recognize the social, cultural, environmental and economic dimensions of national and international issues.