



# THE OXFORD COLLEGE OF SCIENCE

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## THE OXFORD SCIENCE SKILL ENHANCEMENT CENTRE (TOSSEC)

## ADD-ON PROGRAMS OFFERED

### LIFE SCIENCES

- Primer design
- *In silico* molecular cloning
- Protein-protein interactions using STRING
- Drug design
- Genomic data analysis
- Molecular Docking
- DNA Fingerprinting
- Organic composting
- Leucocyte culture for chromosome analysis
- clinical research
- Nutritional aspects of Herbal drinks & food
- Protein Purification and Characterization
- Spectroscopy for Biochemists
- Vinification
- Biomethanation of kitchen waste

### FASHION AND APPAREL DESIGN

- Bridal Makeup

### COMPUTER SCIENCES

- Intelligent Systems
- Hacking and Cyber Security
- Cloud Virtualization
- Microsoft Visual .NET
- Web Designing
- Internet of things
- Big Data Analytics and Hadoop
- Control Systems

### PHYSICAL SCIENCES

- Scilab
- Maxima
- Matlab
- Mathematica
- Internet of Things and Embedded Systems
- Robotics and Artificial intelligence
- Designing PCB using Pspice
- Advances in Astronomy
- Optical Telescopes
- Electrochemistry in Instrumentation
- Advanced tools for Analytical Chemistry
- Materials Chemistry
- Pharmaceutical Chemistry

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