# H6TCI: The Computing Industry

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|---|---|
| **Module Code:** | H6TCI |
| **Long Title** | The Computing Industry APPROVED |
| **Title** | The Computing Industry |
| **Module Level:** | LEVEL 6 |
| **EQF Level:** | 5 |
| **EHEA Level:** | Short Cycle |
| **Credits:** | 5 |
| **Module Coordinator:** | Lisa Murphy |
| **Module Author:** | Lisa Murphy |
| **Departments:** | School of Computing |
| **Specifications of the qualifications and experience required of staff** | Master's degree or PHD in a computing or cognate discipline. May have industry experience also. |

| Learning Outcomes | |
|---|---|
| *On successful completion of this module the learner will be able to:* | |
| **#** | **Learning Outcome Description** |
| LO1 | Compare and contrast the various sectors in the IT industry. |
| LO2 | Identify key roles in the IT industry. |
| LO3 | Discuss and analyse emergent technologies and trends in the IT industry. |
| LO4 | Summarise the broad ethical and legal issues that are raised by widespread use of technologies. |
| LO5 | Utilize the technologies and procedures necessary to ensure systems are reliable and secure. |

| Dependencies | |
|---|---|
| ***Module Recommendations*** | |
| No recommendations listed | |
| ***Co-requisite Modules*** | |
| No Co-requisite modules listed | |
| **Entry requirements** | See section 4.2 Entry procedures and criteria for the programme including procedures recognition of prior learning |

# H6TCI: The Computing Industry

## Module Content & Assessment

### Indicative Content

**IT Industry – Part 1**
Understanding the IT Industry.. Distinguish the different sectors.. Differentiate the different roles.

**IT Industry – Part 2**
The career planning process and creating of E-Portfolios

**Ethical and Social Issues in the Digital Firm**
Understanding ethical and social issues related to IT.. Ethics in an information society.. The moral dimensions of Information Systems.

**IT Infrastructure and Emerging Technologies**
IT Infrastructure.. Infrastructure components.. Hardware platform trends and emerging technologies.. Software platform trends and emerging technologies Management issues.

**Alumni Session**
Past students come into talk to students about their current job, what tasks they do on a daily basis and share advice to students.

**Securing Information Systems**
System vulnerability and abuse.. Business value of security and control.. Establishing a framework for security and control.. Technologies and tools for security.

**Guest Speaker**
A person from a company comes into talk to students about their career and education path. This provides students with insight into the IT Industry.

**LinkedIn, Blogging and Interviews**
Students set up a linked profile. Students blog about topics or guest speaker's discussions. Students record themselves answering questions for a specific job role

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**Group Presentations**
A group of students present a topic provided by the lecturer which is related to the course.

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| Assessment Breakdown | % |
| --- | --- |
| Coursework | 100.00% |

**Assessments**

## Full Time

### Coursework

| | | | |
| --- | --- | --- | --- |
| **Assessment Type:** | Continuous Assessment | **% of total:** | Non-Marked |
| **Assessment Date:** | n/a | **Outcome addressed:** | 1,2,3,4,5 |
| **Non-Marked:** | Yes | | |

**Assessment Description:**
Ongoing feedback on ongoing tutorial activities. Feedback on regular reflection.

| | | | |
| --- | --- | --- | --- |
| **Assessment Type:** | Project | **% of total:** | 70 |
| **Assessment Date:** | n/a | **Outcome addressed:** | 1,2,3,4,5 |
| **Non-Marked:** | No | | |

**Assessment Description:**
Individual project requiring the learner to create their CV and Cover Letter. The learner has to create three blogs and record themselves answering questions in an interview situation based on questions provided by the lecturer. Alongside this, students have to create a LinkedIn profile, attend internal or external events for which they receive a stamp in their Career passport, carry out Psychometric testing and create a speaker journal based on the guest speakers visits.

| | | | |
| --- | --- | --- | --- |
| **Assessment Type:** | Group Presentation | **% of total:** | 30 |
| **Assessment Date:** | n/a | **Outcome addressed:** | 3,4,5 |
| **Non-Marked:** | No | | |

**Assessment Description:**
Group project whereby the group are presented with topics and each group has to talk about the topic, give examples and talk about further development.

| No End of Module Assessment |
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| No Workplace Assessment |
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### Reassessment Requirement

**Repeat examination**
*Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.*

**Reassessment Description**
Learners who fail this module will be required to sit a repeat module assessment where all learning outcomes will be examined.

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## Module Workload

**Module Target Workload Hours 0 Hours**

**Workload: Full Time**

| Workload Type | Workload Description | Hours | Frequency | Average Weekly Learner Workload |
|---|---|---|---|---|
| Lecture | Classroom & Demonstrations (hours) | 24 | Per Semester | 2.00 |
| Tutorial | Other hours (Practical/Tutorial) | 0 | Per Semester | 0.00 |
| Independent Learning | Independent learning (hours) | 89 | Per Semester | 7.42 |
| | | | Total Weekly Contact Hours | 2.00 |

## Module Resources

*Recommended Book Resources*

  Rock, S.. (2013), The graduate career guidebook, Palgrave Macmillan.

  Laudon, K. C.. (2012), Management Information Systems, (12th ed), Pearson, Boston.

*Supplementary Book Resources*

  O'Brien, J. A. & Marakas, G. M.. (2006), Management Information Systems (7th ed), McGraw-Hill Education Europe.

  Brenda Bernstein. (2019), How to Write a KILLER LinkedIn Profile... And 18 Mistakes to Avoid, 14. [ISBN: 978-1629671550].

*This module does not have any article/paper resources*

*Other Resources*

  [Website], Career Profiles,
  http://www.careersportal.ie

**Discussion Note:**