



## The **Content and Knowledge Engineering**

masters program provides a comprehensive perspective on the management of content in intelligent, interactive and dynamic environments. It emphasizes the integration of the technical side of content management and knowledge representation with cognitive and social issues, such as usability, human-computer interaction and communication processes.

First year	Content Design	Development of Knowledge Systems	Use of Content and Knowledge Systems	Knowledge Management
60 ECTS	Optional course	Optional course	Optional course	Optional course
Second year	Enterprise Information Architecture	Thesis Project		
60 ECTS	Advanced Research Methods			

Legend:

Mandatory
Optional



### Core Areas:

- Design and management of content for publication and retrieval
- Combining research in cognition, communication and ICT to improve the human-machine relationship
- Understand and enforce the roles of information & knowledge in organizations

### Current thesis topics (examples):

- Influence of organizational structure on the performance of virtual groups
- Lessons learned in a online community at the Koninklijke Luchtmacht
- Personal digital assistants in museums
- Process models for ontology development
- Structured document retrieval from a user perspective
- Understanding communication issues in web development

### Optional courses (examples):

- Advanced Research Methods
- Enterprise Information Architecture
- Extended Enterprise
- Animation and 3D Models
- Semantic Web
- Seminar CKE
- Usability evaluation methods
- Management Control





## What do we offer?

The program has a duration of two years and comprises 120 European Credit Transfer System (ECTS) points. The CKE Master's program provides a stimulating atmosphere in which students will actively participate in group activities, do projects, and will be involved in ongoing research, both on fundamental questions and on applications. Research in CKE often involves case studies and field observation. Many CKE lecturers are renowned international researchers in their fields and/or have a strong link with industry. Commencing students will discuss their interests with the CKE student advisor. Together, an individual program is chosen that fits the background and interests of the student.

The Master's program is internationally oriented: the program is open to foreign students, and courses are in English. In addition, students will have the opportunity to take courses and do projects at other Dutch and foreign universities and institutes.



## Do you want to apply?

Students can start the Master's program CKE twice a year, in September and in February. There is no entrance exam, but admission is dependent on the background of the candidate student. Tuition fees for the master CKE conform to the university's regulations. For all information about admission, visit our website, [www.informationscience.nl](http://www.informationscience.nl).

## What do you achieve?

The Master's Program Content and Knowledge Engineering (CKE) results in the degree Master of Science in Information Science at Utrecht University. The program accommodates both research-oriented students with a desire to obtain a PhD position in a university or a research position in a company, and industry-oriented students who are interested in positions as project manager, content manager, knowledge engineer, or business consultant with a specialization towards IT and business/IT-alignment.

## Our intended audience

Dutch students:

- A (3-year) bachelor degree in information science
- A (3-year) bachelor degree in computer sciences, artificial intelligence or cognitive science, with a minor in information science
- A (3-year) bachelor degree in other exact or social sciences (acceptance depends on the actual program of the candidate)
- An HBO degree in information or computer science, such as HIO or IDM (acceptance depends on the actual program of the candidate). A minimum average score of 7.0 is required.

International students:

- (3-year) bachelor degree in information science, computer science, artificial intelligence or cognitive science (acceptance depends on the actual program of the candidate).



### Visiting address: