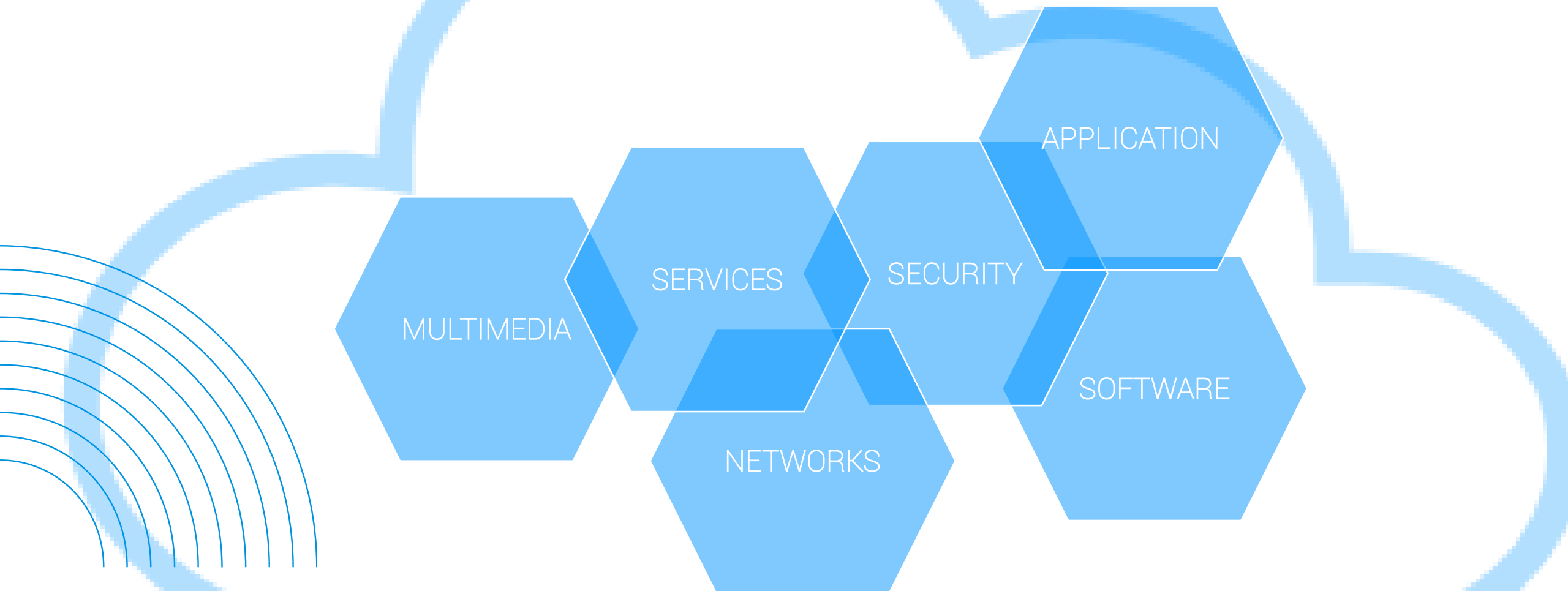


TELEMATICS

SPECIALIZATION

Vigo, September, 2021

Contents of the TELEMATICS specialization



Contents of the TELEMATICS specialization

SOFTWARE

- Concurrent programming
- Virtualization
- RAID/RAIN
- Android
- PWA
- NoSQL
- Neural Networks
- Deep Learning
- Game Theory

NETWORKS

- FTTH
- 5G
- LTE
- WiFi
- MPLS
- Network theory
- Queueing theory
- Virtualization
- Multicast
- SDN

SECURITY

- CISO
- SSO
- TLS
- Firewalls
- Kerberos
- DHE
- RSA

MULTIMEDIA

- Content Delivery Networks
- QoS
- SIP
- nVoD
- Mobile Digital Television
- VoLTE
- IMS

SERVICES

- JSON
- WebSockets
- SOAP
- Cloud Computing
- REST
- Kubernetes

APPLICATION

- Internet of Things
- Big Data
- Blockchain
- ...

Job duties

- Cloud computing: Amazon AWS, Azure, Virtualization
- CISQ (Chief Information Security Officer)
- Networking: Cisco routers and switches
- Front end developer: HTML, CSS and Javascript
- Big Data: Apache Hadoop, Spark, HBase, Kafka, Impala and Hive environments;
- Scala and Java; databases; data analysis tools;
- Cloud computing technologies

SECTOR	THE MOST WANTED	THE HIGHEST PAID
TELECO	Teleco Solutions Pre-sales Engineer	IT Security Expert
IT	Full Stack Developer	Big Data Architect
Commercial	Key Account Manager	Export Area Manager
Marketing	Chief Digital Officer	Hear of Programming Trader
Engineering	Quality Engineer	Plant Manager
Retail	Flagship Manager	District Manager
Logistics	Technical Buyer	Operations Manager
Financial	Management Controller	Financial Manager
Corporate	Transformation Manager	Human Resources Manager
Legal	Commercial and Corporate Lawyer	Compliance Officer
Life science	Qualifications and Validation Technician	Medical Scientific Liaison

Career opportunities

- Communication network operators (Internet, TV, fixed and mobile telephony...) and communication equipment research and development companies.
- Civil and defense software engineering companies.
- Configuration, installation and operation of networks for companies and government agencies.
- Configuration and installation of commercial websites.
- Development and operation of telematic applications:
 - teleworking, teletraining, telemedicine, e-commerce and e-government, e-home, etc..
- Teaching and research

