Electrical Engineering - Joint (EACJ) Courses

EACJ 5002 [0.5 credit]
Advanced Channel Coding

EACJ 5003 [0.5 credit]
Fourier Optics

EACJ 5004 [0.5 credit]
Photonics Networks

EACJ 5005 [0.5 credit]
Knowledge-Based Systems
Includes: Experiential Learning Activity

EACJ 5006 [0.5 credit]
Topics in Electronics I

EACJ 5007 [0.5 credit]
Topics in Electronics II

EACJ 5008 [0.5 credit]
Sujets choisis en electronique

EACJ 5009 [0.5 credit]
Survivable Optical Networks

EACJ 5100 [0.5 credit]
Machine Vision

EACJ 5101 [0.5 credit]
Directed Studies

EACJ 5102 [0.5 credit]
Intro to Embedded Systems

EACJ 5103 [0.5 credit]
Parallel Processing with VLSI

EACJ 5104 [0.5 credit]
Distributed Database Systems

EACJ 5105 [0.5 credit]
Secure Comm and Data Encryption

EACJ 5106 [0.5 credit]
Stochastic Systems

EACJ 5107 [0.5 credit]
Multimedia Communications

EACJ 5108 [0.5 credit]
Switching and Traffic Theory

EACJ 5109 [0.5 credit]
Stochastic Processes

EACJ 5132 [0.5 credit]
Smart Antennas

EACJ 5133 [0.5 credit]
Intro to Mobile Communications

EACJ 5200 [0.5 credit]
Queuing Systems

EACJ 5201 [0.5 credit]
Optical Communications Systems

EACJ 5202 [0.5 credit]
Analysis/Perf Eval: Comp Comm

EACJ 5203 [0.5 credit]
Distributed System Software

EACJ 5204 [0.5 credit]
Virtual Environments
Includes: Experiential Learning Activity

EACJ 5205 [0.5 credit]
Quality Service Mgmt/Multimed

EACJ 5206 [0.5 credit]
Source Coding and Data Compress.

EACJ 5207 [0.5 credit]
Robotics:Control/Sensing/Intel

EACJ 5208 [0.5 credit]
Wireless Ad Hoc Networking

EACJ 5209 [0.5 credit]
Topics in Systems and Control I

EACJ 5211 [0.5 credit]
Software Engineering Proj Mgmt

EACJ 5300 [0.5 credit]
Topics in Systems and Control II

EACJ 5301 [0.5 credit]
Sujets choisis en systemes

EACJ 5303 [0.5 credit]
Health Care Engineering

EACJ 5305 [0.5 credit]
Electromagnetic Compatibility

EACJ 5308 [0.5 credit]
Sujets choisis electromagnetiq

EACJ 5360 [0.5 credit]
Digital Watermarking

EACJ 5369 [0.5 credit]
Internetworking Technologies

EACJ 5384 [0.5 credit]
Network Security and Cryptography
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EACJ 5385</td>
<td>Matrix Method and Algorithmic Sign Processing</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5386</td>
<td>Neural Networks and Fuzzy Systems</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5401</td>
<td>Electromagnetic Waves</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5402</td>
<td>Numerical Methods: Electromagnetics</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5403</td>
<td>Ondes Electromagnetiques</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5404</td>
<td>Topics in Electromagnetics I</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5405</td>
<td>Topics in Electromagnetics II</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5406</td>
<td>Methods numeriques en genie</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5500</td>
<td>Digital Communication by Satellite</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5501</td>
<td>Information Theory</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5503</td>
<td>Detection and Estimation</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5504</td>
<td>Error Control Coding</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5506</td>
<td>Principles of Digital Comm</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5507</td>
<td>Digital Signal Processing</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5508</td>
<td>Traitement numer des signaux</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5509</td>
<td>Image Proc and Image Comm</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5600</td>
<td>Topics in Signal Processing I</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5601</td>
<td>Topics in Signal Processing II</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5603</td>
<td>Topics in Signal Processing 3</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5605</td>
<td>Topics in Communications I</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5606</td>
<td>Topics in Communications II</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5607</td>
<td>Computer-Communication Network</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5702</td>
<td>Sujets choisis en telecommun</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5703</td>
<td>Reliable Digital Systems</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5704</td>
<td>Advanced Digital Communication</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5705</td>
<td>Digital Logic Design</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5706</td>
<td>Data Mining and Concept Learning</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5709</td>
<td>Neural Networks and Fuzzy Systems</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5800</td>
<td>Adaptive Signal Processing</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5807</td>
<td>Topics in Computers I</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5808</td>
<td>Topics in Computers II</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 5900</td>
<td>Sujets choisis sur les ordinateurs</td>
<td>0.5</td>
</tr>
<tr>
<td>EACJ 7116</td>
<td>Signal Proc: Intr Convex Optim</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Summer session**: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca