## WCE–RAN Schedule — 1st Year

### Autumn 2018
- **Periods 1-2**
  - **Introduction to Optimization** (5 cr, 1 p)
  - **Communications Networks I** (5 cr, 2 p)
  - **Statistical Signal Processing** (5 cr, 1 p)
  - **Elements of Information Theory and Coding** (5 cr, 2 p)
  - **Broadband Communications Systems** (5 cr, 1 p)
  - **Wireless Communications I** (5 cr, 2 p)

### Spring 2019
- **Periods 3-4**
  - **Mobile Telecommunication Systems** (5 cr, 3 p)
  - **Commun. Signal Processing I** (5 cr, 3 p)
  - **Elements of Information Theory and Coding** (5 cr, 2 p)
  - ** fibre Communications Networks II** (7 cr, 3-4 p)
  - **Wireless Communications II** (8 cr, 3-4 p)
  - **Communications Networks II** (7 cr, 3-4 p)

### Optional Studies
- **Advanced Practical Training** (3 cr)
  - (recommended in summer 2019, training report will be done on autumn 2019 term)

### Finnish Language studies
- (2-10 cr) and/or optional studies depending on personal study plan

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**Basic Studies**

**Advanced Studies**

**Optional Studies**
WCE–RAN Schedule — 2nd Year

Autumn 2019
Periods 1-2

Radio Engineering I
(5 cr, 2 p)

Optional Course

Optional Course

Optional Course

Optional Course

Diploma (M.Sc.) Thesis Work (30 cr, 2-4 p)

Finnish Language studies (2-10 cr) and/or optional studies to fulfil PSP requirements

Spring 2020
Periods 3-4

Basic Studies

Advanced Studies

Optional Studies
## WCE–RF Schedule — 1st Year

### Autumn 2018
Periods 1-2

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Periods</th>
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</thead>
<tbody>
<tr>
<td>Electronics Design II (6 cr, 1 p)</td>
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<tr>
<td>Electronics Design III (6 cr, 2 p)</td>
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<td>Statistical Signal Processing (5 cr, 1 p)</td>
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<td>Broadband Communications Systems (5 cr, 1 p)</td>
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### Spring 2019
Periods 3-4

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Commun. Signal Processing I (5 cr, 3 p)</td>
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<tr>
<td>Radio Engineering I (5 cr, 2 p)</td>
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<tr>
<td>Radio Engineering II (6 cr, 3 p)</td>
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<tr>
<td>Wireless Communications I (5 cr, 2 p)</td>
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<tr>
<td>Radio Channels (5 cr, 4 p) or Antennas (5 cr, 4 p) (optional)</td>
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<td>Broadband Communications Systems (5 cr, 1 p)</td>
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<td>Advanced Practical Training (3 cr) (recommended in summer 2019)</td>
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### Finnish Language studies (2-10 cr) and/or optional studies depending on personal study plan

- Basic Studies
- Advanced Studies
- Optional Studies
WCE–RF Schedule — 2nd Year

Autumn 2019
Periods 1-2

Electronic System Design (5 cr, 1 p)
Telecommunications Circuit Design (6 cr, 1 p)
Optional Course
Optional Course
Telcommunication Engineering Project (5 cr)
or
Electronics Design and Construction Exercise (6 cr, 1-2 p)
(one of these is mandatory)

Spring 2020
Periods 3-4

Diploma (M.Sc.) Thesis Work (30 cr, 2-4 p)

Finnish Language studies (2-10 cr) and/or optional studies to fulfill PSP requirements

Basic Studies
Advanced Studies
Optional Studies