Bachelor of Science (Accounting & Finance) Program

This is a 4 year degree program introduced in 2013. It has been developed jointly by the Institute of Chartered Accountants of Pakistan (ICAP), Association of Chartered certified Accountants (ACCA) and Institute of Bankers Pakistan (IBP) in collaboration with IBA Karachi. The program provides an exclusive opportunity to the students to receive an academic degree that leads to a professional qualification. A summary of the institution wise exemptions that applicants to the program would benefit from is as under:

Institute of Chartered Accountants of Pakistan (ICAP):
An exemption of 12 Exams of Module A to D will be granted to the prospective CA students who complete their BS (Accounting & Finance) degree from IBA. The Students of BS (Accounting & Finance) after graduating from IBA Karachi would avail the following advantages:

- Exemption from Module A to D
- Complete training for 3 years & save 6 months
- Pass Module E & F (8 courses during training)
- Become a Chartered Accountant

Association of Chartered Certified Accountants (ACCA):
A CCA has exempted FOUR examinations (F1 to F4) & review is underway for five more exemptions.

Institute of Bankers Pakistan (IBP):
IBP has waived off appearances at all three levels of examinations & replaced it with only ONE comprehensive examination.

Chartered Financial Analyst (CFA):
CFA does not grant, as a principle, any exemptions but close mapping has been done in Finance courses that facilitate qualifying CFA examinations.

Curriculum Structure

<table>
<thead>
<tr>
<th>Duration</th>
<th>4 years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semesters</td>
<td>8</td>
</tr>
<tr>
<td>Courses (Including 2 Research Courses)</td>
<td>42</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>130 + 8*</td>
</tr>
</tbody>
</table>

* Internship

Required Courses

<table>
<thead>
<tr>
<th>Section</th>
<th>Knowledge Area</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>University Core Courses</td>
<td>4</td>
</tr>
<tr>
<td>B</td>
<td>Accounting</td>
<td>14</td>
</tr>
<tr>
<td>C</td>
<td>Finance</td>
<td>14</td>
</tr>
<tr>
<td>D</td>
<td>Non-Specialization</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Total Courses</td>
<td>42</td>
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</table>

A. University Core Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Grammar and Composition</td>
<td>SSC101</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Speech Communication</td>
<td>HUM201</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Pakistan History</td>
<td>SSC151</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Socioeconomic Philosophy of Islam / Philosophy, Logic &amp; Ethics</td>
<td>SSC301 / HUM357</td>
<td>3</td>
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</table>

B. Accounting Core Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Accounting</td>
<td>ACC111</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Management Accounting</td>
<td>ACC381</td>
<td>3</td>
<td>ACC111, ACC201</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>ACC201</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Taxation (Direct &amp; Indirect)</td>
<td>LAW303</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Business Law</td>
<td>LAW205</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Independent study (Accounting)</td>
<td>ACC301</td>
<td>4</td>
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</tr>
<tr>
<td>Accounting Information System with SAP</td>
<td>ACC507</td>
<td>3</td>
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</table>
### C. Finance Core Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Business Finance</td>
<td>FIN201</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Financial Institutions and Markets</td>
<td>FIN301</td>
<td>3</td>
<td>FIN201</td>
</tr>
<tr>
<td>Regulations &amp; Financial Markets</td>
<td>FIN558</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Financial Management</td>
<td>FIN401</td>
<td>3</td>
<td>FIN201</td>
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<tr>
<td>Financial Modeling</td>
<td>FIN574</td>
<td>4</td>
<td>FIN401</td>
</tr>
<tr>
<td>Independent study (Finance)</td>
<td>FIN310</td>
<td>4</td>
<td>FIN401</td>
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### D. Non-Specialization Core Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
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<th>Pre-Requisite</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Statistics</td>
<td>MTS102</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Statistical Inference</td>
<td>MTS202</td>
<td>3</td>
<td>MTS102</td>
</tr>
<tr>
<td>Introduction to Computer Applications</td>
<td>MIS103</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Introduction to Economics</td>
<td>ECO105</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Management &amp; Organizational Behavior</td>
<td>-</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Principles of Marketing</td>
<td>MKT201</td>
<td>3</td>
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<tr>
<td>Calculus-I with Application</td>
<td>MTS104</td>
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### Accounting Electives (*7 to be selected from the following list*)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
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</thead>
<tbody>
<tr>
<td>Advanced Managerial Accounting</td>
<td>ACC310</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Financial Reporting</td>
<td>ACC315</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Corporate Governance</td>
<td>LAW553</td>
<td>3</td>
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</tr>
<tr>
<td>Business Analysis and Decision Making</td>
<td>ACC312</td>
<td>3</td>
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</tr>
<tr>
<td>Legal and Regulatory Environment</td>
<td>LAW501</td>
<td>3</td>
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<tr>
<td>Strategic Management</td>
<td>MGT552</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Auditing</td>
<td>ACC320</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Corporate Law</td>
<td>LAW305</td>
<td>3</td>
<td>LAW205</td>
</tr>
<tr>
<td>Advanced Financial Reporting</td>
<td>ACC401</td>
<td>3</td>
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<tr>
<td>Essential Software</td>
<td>MIS150</td>
<td>3</td>
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<tr>
<td>Data Warehousing</td>
<td>MIS343</td>
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<tr>
<td>Database System</td>
<td>CSE341</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Tax Management and Optimization</td>
<td>LAW401</td>
<td>3</td>
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<tr>
<td>Actuarial Courses</td>
<td>ACC415</td>
<td>3</td>
<td>MTS102, MTS202, MTS101, MTS101</td>
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<tr>
<td>FCS basic Programming related courses</td>
<td>ACC416</td>
<td>3</td>
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<td>Accounting Tools I</td>
<td>MIS3XX</td>
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<td>MIS103</td>
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<tr>
<td>Accounting Tools II</td>
<td>ACC3XX</td>
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## Finance Electives (8 to be selected from the following list)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
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<tbody>
<tr>
<td>Investment Banking</td>
<td>FIN451</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Treasury and Funds Management</td>
<td>FIN565</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Financial Risk Management</td>
<td>FIN456</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Advance Portfolio Management and Wealth Planning</td>
<td>FIN563</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Corporate Finance</td>
<td>FIN454</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Financial Econometrics</td>
<td>FIN569</td>
<td>3</td>
<td>MTS202, FIN401</td>
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<tr>
<td>Public Finance</td>
<td>ECO451</td>
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<td>ECO105</td>
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<tr>
<td>Alternative Investments</td>
<td>FIN305</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Real Estate Investments: Analysis and Financing</td>
<td>FIN308</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>International Banking</td>
<td>FIN310</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Behavioral Finance (with lab- 4 credit)</td>
<td>FIN312</td>
<td>4</td>
<td>FIN401</td>
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<tr>
<td>Venture Capital and the Finance of Innovation</td>
<td>FIN405</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Buyouts and Acquisitions</td>
<td>FIN410</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Corporate Restructuring</td>
<td>FIN315</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Empirical Research in Finance</td>
<td>FIN320</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Advanced Corporate Finance</td>
<td>FIN560</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>International Finance</td>
<td>FIN452</td>
<td>3</td>
<td>FIN401, ECO105</td>
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<tr>
<td>Security Analysis (4 credit-lab)</td>
<td>FIN453</td>
<td>4</td>
<td>FIN401</td>
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<tr>
<td>Fixed Income Investments</td>
<td>FIN424</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Derivatives</td>
<td>FIN457</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Portfolio Management (4 credit-lab)</td>
<td>FIN455</td>
<td>4</td>
<td>FIN401</td>
</tr>
<tr>
<td>Branch Banking</td>
<td>FIN425</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Lending- Products, Operations &amp; Risk Management</td>
<td>FIN426</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Finance of International Trade &amp; Related Treasury Operations</td>
<td>FIN427</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Marketing of Financial services</td>
<td>FIN428</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Information Technology in Financial services</td>
<td>FIN429</td>
<td>3</td>
<td>FIN401</td>
</tr>
<tr>
<td>Financial Information System</td>
<td>FIN430</td>
<td>3</td>
<td>FIN401</td>
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<tr>
<td>Course Title</td>
<td>Course Code</td>
<td>Credit Hours</td>
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<tr>
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<tr>
<td>Mathematical Methods</td>
<td>MTS110</td>
<td>3</td>
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<tr>
<td>Foundations of Human Behavior</td>
<td>SSC102</td>
<td>3</td>
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<tr>
<td>Calculus-II with Application</td>
<td>MTS106</td>
<td>3</td>
<td>MTS101</td>
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<tr>
<td>International Relations</td>
<td>SSC111</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Principles of Management</td>
<td>MGT201</td>
<td>3</td>
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<tr>
<td>Human Resource Management</td>
<td>HRM401</td>
<td>3</td>
<td>MKT201, MGT201</td>
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<tr>
<td>Development Economics</td>
<td>ECO301</td>
<td>3</td>
<td>ECO105</td>
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<tr>
<td>Executive Leadership</td>
<td>HRM455</td>
<td>3</td>
<td>MGT201, HRM401</td>
</tr>
<tr>
<td>Applied Probability</td>
<td>MTS112</td>
<td>3</td>
<td>-</td>
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<tr>
<td>Introduction to Econometrics</td>
<td>ECO341</td>
<td>3</td>
<td>MTS202, ECO105</td>
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<tr>
<td>International Trade</td>
<td>ECO512</td>
<td>3</td>
<td>ECO105</td>
</tr>
<tr>
<td>Global Economic and Political Environment</td>
<td>ECO517</td>
<td>3</td>
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<tr>
<td>Marketing Management</td>
<td>MKT501</td>
<td>3</td>
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<tr>
<td>Politics &amp; Law</td>
<td>LAW105</td>
<td>3</td>
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<tr>
<td>Business Mathematics &amp; Linear Algebra</td>
<td>MTS211</td>
<td>3</td>
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<tr>
<td>Research Methods in Social Sciences</td>
<td>SSC154</td>
<td>3</td>
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</tbody>
</table>

**Non-Specialization Electives** *(3 to be selected from the following list)*
**Academic Options**

On academic front, students have two ADDITIONAL options:

- Students can attain a degree of BS in Accounting by taking 3 extra papers of Accounting.
- Likewise, students also have the option of awarding a degree of BS in Finance by taking 3 extra papers of Finance.

- Potential of post undergrad degree from local or foreign university.

<table>
<thead>
<tr>
<th>Accounting Electives compulsory for CA &amp; ACCA exemption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Managerial Accounting</td>
</tr>
<tr>
<td>Financial Reporting</td>
</tr>
<tr>
<td>Auditing</td>
</tr>
<tr>
<td>Corporate Law</td>
</tr>
<tr>
<td>Advanced Financial Reporting</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Finance Electives courses conducive for CFA preparation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corporate Governance</td>
</tr>
<tr>
<td>Treasury and Funds Management</td>
</tr>
<tr>
<td>Advance Portfolio Management and Wealth Planning</td>
</tr>
<tr>
<td>Corporate Finance</td>
</tr>
<tr>
<td>Alternative Investments</td>
</tr>
<tr>
<td>Behavioral Finance (with lab- 4 credit)</td>
</tr>
<tr>
<td>Fixed Income Investments</td>
</tr>
<tr>
<td>Security Analysis (4 credit-lab)</td>
</tr>
<tr>
<td>Derivatives</td>
</tr>
<tr>
<td>Portfolio Management (4 credit-lab)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Finance Electives courses compulsory for IBP exemption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Branch banking</td>
</tr>
<tr>
<td>Lending- Products, operations &amp; risk management</td>
</tr>
<tr>
<td>Finance of international trade &amp; related treasury operations</td>
</tr>
<tr>
<td>Marketing of financial service</td>
</tr>
<tr>
<td>Information technology in Financial services</td>
</tr>
</tbody>
</table>
### Semester-wise Sequence of Courses

#### FRESHMAN

<table>
<thead>
<tr>
<th>Semester - 1</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
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</thead>
<tbody>
<tr>
<td>1 Introduction to Economics</td>
<td>ECO105</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>2 English Grammar &amp; Composition</td>
<td>SSC101</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>3 Introduction to Computer Applications</td>
<td>MIS103</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4 Introduction to Statistics</td>
<td>MTS102</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>5 Calculus I &amp; Plane Geometry</td>
<td>MTS101</td>
<td>3</td>
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<tr>
<td>6 Pakistan History or Socioeconomy Philosophy of Islam</td>
<td>SSC151 / SSC301</td>
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#### Semester - 2

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>1 Principles of Accounting</td>
<td>ACC111</td>
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</tr>
<tr>
<td>2 NS Elective</td>
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</tr>
<tr>
<td>3 Speech Communication (1+2 Ch)</td>
<td>HUM201</td>
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<tr>
<td>4 Management &amp; Organizational Behavior</td>
<td>MGT2XX</td>
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</tr>
<tr>
<td>5 NS Elective</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>6 Socioeconomic Philosophy of Islam or Pakistan History</td>
<td>SSC 301 / SSC151</td>
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#### SOPHOMORE

<table>
<thead>
<tr>
<th>Semester - 3</th>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Pre-Requisite</th>
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<tbody>
<tr>
<td>1 Principles of Marketing</td>
<td>MKT201</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>2 Statistical Inference (With Econometrics Lab)</td>
<td>MTS202</td>
<td>3</td>
<td>MTS102</td>
</tr>
<tr>
<td>3 Financial Accounting</td>
<td>ACC201</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4 Introduction To Business Finance</td>
<td>FIN201</td>
<td>3</td>
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</tr>
<tr>
<td>5 Business Law</td>
<td>LAW205</td>
<td>3</td>
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<td>6 NS Elective</td>
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#### Semester - 4

<table>
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<tr>
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<tbody>
<tr>
<td>1 Management Accounting</td>
<td>ACC381</td>
<td>3</td>
</tr>
<tr>
<td>2 Financial Institutions And Markets</td>
<td>FIN301</td>
<td>3</td>
</tr>
<tr>
<td>3 Financial Management</td>
<td>FIN401</td>
<td>3</td>
</tr>
<tr>
<td>4 Taxation (Direct &amp; Indirect)</td>
<td>LAW303</td>
<td>3</td>
</tr>
<tr>
<td>5 Accounting Tools I</td>
<td>MIS3XX</td>
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<tr>
<td>6 Accounting Tools II</td>
<td>ACC3XX</td>
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</tr>
<tr>
<td>7 Independent Study (Accounting)</td>
<td>ACC301</td>
<td>4</td>
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<td>JUNIOR</td>
<td>Semester - 5</td>
<td>Course Code</td>
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