

Thiruthangal Nadar College
B.Sc (Chemistry) - Courses Offered

| Year | Subject Name | Core Main | Core Allied / Elective |
|------|---|-----------|------------------------|
| I | FIRST SEMESTER | | |
| | General Chemistry-I | ✓ | |
| | Quantitative Inorganic Estimation (Titrimetry) and Inorganic Preparations (Practical) | ✓ | |
| | Mathematics-I (OR) Zoology I* | | ✓ |
| | Zoology Practical* | | ✓ |
| | SECEOND SEMESTER | | |
| | General Chemistry–II | ✓ | |
| | Quantative Organic Analysis and Preparation of Organic Compounds (Practical) | ✓ | |
| | Mathematics – II (OR) Zoology II* | | ✓ |
| | Zoology Practical* | | ✓ |
| II | THIRD SEMESTER | | |
| | General Chemistry–III | ✓ | |
| | Qualitative Inorganic Analysis (Practical) | ✓ | |
| | Physics – I | | ✓ |
| | Physics – I (Practical) | | ✓ |
| | FOURTH SEMESTER | | |
| | General Chemistry–IV | ✓ | |
| | Physical Chemistry Practical | ✓ | |
| | Physics – II | | ✓ |
| | Physics – II (Practical) | | ✓ |
| III | FIFTH SEMESTER | | |
| | Inorganic Chemistry-I | ✓ | |
| | Organic Chemistry-I | ✓ | |
| | Physical Chemistry-I | ✓ | |
| | Pharmaceutical Chemistry (OR) Industrial Chemistry | | ✓ |
| | Nanomaterials and Green Chemistry (OR) Polymer Chemistry | | ✓ |
| | Major Practical-III (Inorganic Quantitative Analysis Gravimetric Analysis) | ✓ | |
| | Major Practical-IV (Organic analysis and preparation) | ✓ | |
| | Major Practical-V (Physical Chemistry) | ✓ | |
| | SIXTH SEMESTER | | |
| | Inorganic Chemistry-II | ✓ | |
| | Organic Chemistry-II | ✓ | |
| | Physical Chemistry-II | ✓ | |
| | Analytical Chemistry (OR) Spectroscopy | | ✓ |
| | Major Practical-III (Inorganic Quantitative Analysis Gravimetric Analysis) | ✓ | |
| | Major Practical-IV (Organic analysis and preparation) | ✓ | |
| | Major Practical-V (Physical Chemistry) | ✓ | |