



VISION

(BOR Resolution No. 25 s. 2016)

A premier state university with recognized excellence in engineering and technology education at par with leading universities in the ASEAN region.

MISSION

(Section 2 of P.D. No. 1518)

The University shall provide higher and advanced vocational, technical, industrial, technological and professional education and training in industries and technology and in practical arts leading to certificates, diplomas and degrees. It shall provide progressive leadership in applied research, developmental studies in technical, industrial, and technological fields and production using indigenous materials; effect technology transfer in the countryside; and assist in the development of small-and-medium scale industries in identified growth centers.

DEPARTMENT OF INDUSTRIAL EDUCATION GOALS

1. To periodically review the curricular program to produce competent and committed teachers.
2. To undertake development and innovative researches in Industrial Education.
3. To facilitate transfer of technology in Industrial Education through expanded and effective linkages with industry and other sectors.
4. To produce teachers who understand and appreciate genuine human ideas and values.
5. To imbue prospective teachers with desirable characteristics.

OBJECTIVES

1. Offer relevant and responsive curricular programs.
2. Initiate the conduct of researches in pedagogy and related educational technology.
3. Intensify community involvement through extension programs and projects.
4. Develop attitude, personal discipline, moral, social and cultural values of the students.
5. Equip prospective teachers with desirable personal and social characteristics, qualities and traits.



Management System
ISO 9001:2015



www.tuv.com
ID 9108652185

REPUBLIC OF THE PHILIPPINES
TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
CAVITE CAMPUS

Carlos Q. Trinidad Avenue, Salawag, Dasmariñas City, Cavite, Philippines
Telefax: (046) 416-4920
Email: cavite@tup.edu.ph | Website: www.tup.edu.ph

BTVTED

AREA III

CURRICULUM AND INSTRUCTION

A. Curriculum and Program of Studies

1.2. The subjects are logically sequenced and prerequisite courses are identified.



**TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES
CAVITE CAMPUS**

Carlos Q. Trinidad Avenue, Salawag, Dasmariñas City, Cavite, Philippines
Telefax: (046) 416-4920
Email: cavite@tup.edu.ph | Website: www.tup.edu.ph

VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-CP - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

| Subject Code | Subject Description | Units | | Hours | | Total Hours | Prerequisite | Co-requisite |
|---------------------|---|-----------|----------|-----------|-----------|-------------|--------------|--------------|
| | | Lec | Lab | Lec | Lab | | | |
| 1st Year | | | | | | | | |
| 1st Semester | | | | | | | | |
| GEC4-C | Mathematics in the Modern World | 3 | | 3 | 3.00 | 3.00 | | |
| GEC5-C | Purposive Communication | 3 | | 3 | 3.00 | 3.00 | | |
| HE1E-C | Integrated Home Economics Lec | 3 | | 3 | 3.00 | 3.00 | | |
| HE1EL-C | Integrated Home Economics Lab | | 3 | 3 | | 9.00 | | |
| ICT1E-C | Information and Communication Technology Essentials Lec | 3 | | 3 | 3.00 | 3.00 | | |
| ICT1EL-C | Information and Communication Technology Essentials Lab | | 3 | 3 | | 9.00 | | |
| NSTP1-C | National Service Training Program 1 | 3 | | 3 | 3.00 | 3.00 | | |
| PE1-C | Physical Fitness | 2 | | 2 | 2.00 | 2.00 | | |
| PROFED1-C | The Child and Adolescent Learner and Learning Principles | 3 | | 3 | 3.00 | 3.00 | | |
| PROFED2-C | The Teaching Profession | 3 | | 3 | 3.00 | 3.00 | | |
| TOTAL | | 23 | 6 | 29 | 23 | 18 | 41 | |

| | | | | | | | | |
|---------------------|---|-----------|----------|-----------|-----------|-----------|----------------------|--|
| 1st Year | | | | | | | | |
| 2nd Semester | | | | | | | | |
| AFA1E-C | Introduction to Agri-Fishery Arts Lec | 3 | | 3 | 3.00 | 3.00 | | |
| AFA1EL-C | Introduction to Agri-Fishery Arts Lab | | 3 | 3 | | 9.00 | | |
| GEC1-C | Understanding the Self | 3 | | 3 | 3.00 | 3.00 | | |
| GEC7-C | Science, Technology and Society | 3 | | 3 | 3.00 | 3.00 | | |
| IA1E-C | Fundamentals of Industrial Arts Lec | 3 | | 3 | 3.00 | 3.00 | | |
| IA1EL-C | Fundamentals of Industrial Arts Lab | | 3 | 3 | | 9.00 | | |
| NSTP2-C | National Service Training Program 2 | 3 | | 3 | 3.00 | 3.00 | NSTP1-C | |
| PE2-C | Rhythmic Activities | 2 | | 2 | 2.00 | 2.00 | PE1-C | |
| PROFED3-C | Foundation of Technology Education | 3 | | 3 | 3.00 | 3.00 | | |
| PROFED4-C | Facilitating Learner-Centered Teaching: The Learner-Centered Approach with Emphasis on Trainers Methodology 1 | 3 | | 3 | 3.00 | 3.00 | PROFED1-C, PROFED2-C | |
| TOTAL | | 23 | 6 | 29 | 23 | 18 | 41 | |

| | | | | | | | | |
|---------------------|---|-----------|----------|-----------|-----------|-----------|----------------------|--|
| 2nd Year | | | | | | | | |
| 1st Semester | | | | | | | | |
| GEC2-C | Readings in Philippine History | 3 | | 3 | 3.00 | 3.00 | | |
| PE3-C | Individual and Dual Sports | 2 | | 2 | 2.00 | 2.00 | PE1-C | |
| PROFED5-C | Technology for Teaching and Learning 1 | 3 | | 3 | 3.00 | 3.00 | PROFED3-C, PROFED4-C | |
| PROFED6-C | Building and Enhancing New Literacies Across the Curriculum with Emphasis on the 21st Century Skills. | 3 | | 3 | 3.00 | 3.00 | PROFED3-C | |
| PROG1-C | Structured Programming, Lec | 3 | | 3 | 3.00 | 3.00 | ICT1E, ICT1EL | |
| PROG1L-C | Structured Programming, Lab | | 3 | 3 | | 9.00 | ICT1E, ICT1EL | |
| PROG2-C | Web Development 1, Lec | 3 | | 3 | 3.00 | 3.00 | ICT1E, ICT1EL | |
| PROG2L-C | Web Development 1, Lab | | 3 | 3 | | 9.00 | ICT1E, ICT1EL | |
| TOTAL | | 17 | 6 | 23 | 17 | 18 | 35 | |

| | | | | | | | | |
|---------------------|---|---|---|---|------|------|----------------------|--|
| 2nd Year | | | | | | | | |
| 2nd Semester | | | | | | | | |
| GEC6-C | Art Appreciation | 3 | | 3 | 3.00 | 3.00 | | |
| PE4-C | Team Sports | 2 | | 2 | 2.00 | 2.00 | PE1-C | |
| PROFED7-C | Assessment in Learning 1 | 3 | | 3 | 3.00 | 3.00 | PROFED3-C, PROFED4-C | |
| PROFED8-C | The Teacher and the Community, School Culture and Organizational Leadership with Focus on TVET System | 3 | | 3 | 3.00 | 3.00 | PROFED4-C | |
| PROG3-C | Object-Oriented Programming, lec | 3 | | 3 | 3.00 | 3.00 | PROG1-C, PROG1L-C | |
| PROG3L-C | Object-Oriented Programming, lab | | 3 | 3 | | 9.00 | PROG1-C, PROG1L-C | |
| PROG4-C | Web Development 2, Lec | 3 | | 3 | 3.00 | 3.00 | PROG2-C, PROG2L-C | |
| PROG4L-C | Web Development 2, Lab | | 3 | 3 | | 9.00 | PROG2-C, PROG2L-C | |



TECHNOLOGICAL UNIVERSITY OF THE PHILIPPINES

CAVITE CAMPUS

Carlos Q. Trinidad Avenue, Salawag, Dasmariñas City, Cavite, Philippines

Telefax: (046) 416-4920

Email: cavite@tup.edu.ph | Website: www.tup.edu.ph

VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-CP - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

| Subject Code | Subject Description | Units | | Total | | Hours | | Prerequisite | Co-requisite |
|--------------|--|-----------|----------|-----------|-----------|-----------|-----------|--------------|--------------|
| | | Lec | Lab | Units | Lec | Lab | Hours | | |
| TTL-C | Technology for Teaching and Learning 2 | 3 | | 3 | 3.00 | | 3.00 | PROFED5-C | |
| TOTAL | | 20 | 6 | 26 | 20 | 18 | 38 | | |

| 3rd Year | | 1st Semester | | | | | | | |
|--------------|---|--------------|----------|-----------|-----------|-----------|-----------|--------------------------------------|------------|
| GEC8-C | Ethics | 3 | | 3 | 3.00 | | 3.00 | | |
| PROFED10-C | Foundation of Special and Inclusive Education | 3 | | 3 | 3.00 | | 3.00 | PROFED4-C | |
| PROFED11-C | Curriculum Development and Evaluation | 3 | | 3 | 3.00 | | 3.00 | PROFED5-C, PROFED6-C, PROFED4-C | PROFED12-C |
| PROFED12-C | Assessment in Learning 2 | 3 | | 3 | 3.00 | | 3.00 | PROFED7-C | |
| PROFED9-C | Methods of Research | 3 | | 3 | 3.00 | | 3.00 | PROFED7-C | |
| PROG5-C | Device Programming, lec | 3 | | 3 | 3.00 | | 3.00 | PROG1-C, PROG1L-C | |
| PROG5L-C | Device Programming, lab | | 3 | 3 | | 9.00 | 9.00 | PROG1-C, PROG1L-C | |
| PROG6-C | Mobile Application Development, Lec | 3 | | 3 | 3.00 | | 3.00 | PROG3-C, PROG3L-C, PROG4-C, PROG4L-C | |
| PROG6L-C | Mobile Application Development, Lab | | 3 | 3 | | 9.00 | 9.00 | PROG3-C, PROG3L-C, PROG4-C, PROG4L-C | |
| TOTAL | | 21 | 6 | 27 | 21 | 18 | 39 | | |

| 3rd Year | | 2nd Semester | | | | | | | |
|--------------|--|--------------|----------|-----------|-----------|----------|-----------|--------------------------------------|--|
| BET6-C | Technopreneurship | 3 | | 3 | 3.00 | | 3.00 | | |
| GEC3-C | The Contemporary World | 3 | | 3 | 3.00 | | 3.00 | | |
| GEM14-C | Life and Works of Rizal | 3 | | 3 | 3.00 | | 3.00 | | |
| PROFED13-C | Statistics for Educational Research | 3 | | 3 | 3.00 | | 3.00 | PROFED9-C | |
| PROFED15-C | Andragogy of Learning Including Principles of Trainers Methodology | 3 | | 3 | 3.00 | | 3.00 | PROFED3-C, PROFED4-C | |
| PROG7-C | Application Software Development, lec | 3 | | 3 | | | | PROG3-C, PROG3L-C, PROG4-C, PROG4L-C | |
| PROG7L-C | Application Software Development, lab | | 3 | 3 | | 9.00 | 9.00 | PROG3-C, PROG3L-C, PROG4-C, PROG4L-C | |
| SEM1-C | Seminar in Technology and Livelihood Education for Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| SEM2-C | Seminar in General Education For Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| TOTAL | | 24 | 3 | 27 | 21 | 9 | 30 | | |

| 3rd Year | | SUMMER | | | | | | | |
|--------------|--|----------|----------|----------|----------|----------|----------|--|--|
| SIT | Supervised Industrial Training (240 hours) | | 3 | 3 | | 3.00 | 3.00 | | |
| TOTAL | | 0 | 3 | 3 | 0 | 3 | 3 | | |

| 4th Year | | 1st Semester | | | | | | | |
|--------------|---|--------------|----------|-----------|-----------|----------|-----------|-----------------------------------|--|
| GEE11A-C | Environmental Science and Engineering | 3 | | 3 | 3.00 | | 3.00 | | |
| GEE12C-C | Gender and Society | 3 | | 3 | 3.00 | | 3.00 | | |
| GEE13B-C | Philippine Popular Culture | 3 | | 3 | 3.00 | | 3.00 | | |
| IPT-C | In-Campus Practice TEaching | 6 | | 6 | 6.00 | | 6.00 | PROFED4-C, PROFED11-C, PROFED13-C | |
| PROFED14-C | Thesis Writing | 3 | | 3 | 3.00 | | 3.00 | PROFED13-C | |
| PROFED16-C | Work-Based Learning with Emphasis on Trainers Methodology | 3 | | 3 | 3.00 | | 3.00 | PROFED15-C | |
| SEM3-C | Seminar in Professional Education for Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| TOTAL | | 24 | 0 | 24 | 24 | 0 | 24 | | |

| 4th Year | | 2nd Semester | | | | | | | |
|--------------|-------------------|--------------|----------|----------|----------|----------|----------|-------|--|
| OPT-C | Practice Teaching | | 9 | 9 | | 9.00 | 9.00 | IPT-C | |
| TOTAL | | 0 | 9 | 9 | 0 | 9 | 9 | | |


SARAH JANE D. VELOS
 Campus Registrar



Technological University of the Philippines
 Ayala Blvd., Ermitia Manila, 1000, Philippines
 Tel No. +632-301-3001 local 604 | Fax No. +632-521-4063
 Email: registrar@tup.edu.ph | Website: www.tup.edu.ph

VAA-OUR

COURSE CURRICULUM

Course Code: BTTE-EL - Bachelor of Technical Vocational Teacher Education **Curriculum Year:** 1920

ACADEMIC/SHOP SUBJECT

| Subject Code | Subject Description | Units | | Total | | Hours | | Prerequisite | Co-requisite |
|--------------|--|-----------|----------|-----------|-----------|-----------|-----------|--------------|--------------|
| | | Lec | Lab | Units | Lec | Lab | Hours | | |
| TTL-C | Technology for Teaching and Learning 2 | 3 | | 3 | 3.00 | | 3.00 | PROFED5-C | |
| TOTAL | | 20 | 6 | 26 | 20 | 18 | 38 | | |

| 3rd Year | 1st Semester | | | | | | | | |
|--------------|--|-----------|----------|-----------|-----------|-----------|-----------|--|------------|
| ETECH5-C | Electromechanical Controller with Pneumatics and PLC Lec | 3 | | 3 | 3.00 | | 3.00 | ETECH4-C, ETECH4-L, ETECH4-M, ETECH4-N | |
| ETECH5L-C | Electromechanical Controller with Pneumatics and PLC Lab | | 3 | 3 | | 9.00 | 9.00 | ETECH4-C, ETECH4-L, ETECH4-M, ETECH4-N | |
| ETECH6-C | Electronics Fundamentals and Digital Technology, Lec. | 3 | | 3 | 3.00 | | 3.00 | ETECH3-C, ETECH3-L, ETECH3-M, ETECH3-N | |
| ETECH6L-C | Electronics Fundamentals and Digital Technology Lab | | 3 | 3 | | 9.00 | 9.00 | ETECH3-C, ETECH3-L, ETECH3-M, ETECH3-N | |
| GEC8-C | Ethics | 3 | | 3 | 3.00 | | 3.00 | | |
| PROFED10-C | Foundation of Special and Inclusive Education | 3 | | 3 | 3.00 | | 3.00 | PROFED4-C | |
| PROFED11-C | Curriculum Development and Evaluation | 3 | | 3 | 3.00 | | 3.00 | PROFED3-C, PROFED6-C, PROFED4-C | PROFED12-C |
| PROFED12-C | Assessment in Learning 2 | 3 | | 3 | 3.00 | | 3.00 | PROFED7-C | |
| PROFED9-C | Methods of Research | 3 | | 3 | 3.00 | | 3.00 | PROFED7-C | |
| TOTAL | | 21 | 6 | 27 | 21 | 18 | 39 | | |

| 3rd Year | 2nd Semester | | | | | | | | |
|--------------|--|-----------|----------|-----------|-----------|----------|-----------|--|--|
| BET6-C | Technopreneurship | 3 | | 3 | 3.00 | | 3.00 | | |
| ETECH7-C | Industrial Electronics and Processes Lec | 3 | | 3 | 3.00 | | 3.00 | ETECH6-C, ETECH6-L, ETECH6-M, ETECH6-N | |
| ETECH7L-C | Industrial Electronics and Processes Lab | | 3 | 3 | | 9.00 | 9.00 | ETECH6-C, ETECH6-L, ETECH6-M, ETECH6-N | |
| GEC3-C | The Contemporary World | 3 | | 3 | 3.00 | | 3.00 | | |
| GEM14-C | Life and Works of Rizal | 3 | | 3 | 3.00 | | 3.00 | | |
| PROFED13-C | Statistics for Educational Research | 3 | | 3 | 3.00 | | 3.00 | PROFED9-C | |
| PROFED15-C | Andragogy of Learning Including Principles of Trainers Methodology | 3 | | 3 | 3.00 | | 3.00 | PROFED3-C, PROFED4-C | |
| SEM1-C | Seminar in Technology and Livelihood Education for Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| SEM2-C | Seminar in General Education For Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| TOTAL | | 24 | 3 | 27 | 24 | 9 | 33 | | |

| 3rd Year | SUMMER | | | | | | | | |
|--------------|--|----------|----------|----------|----------|----------|----------|--|--|
| SIT | Supervised Industrial Training (240 hours) | | 3 | 3 | | 3.00 | 3.00 | | |
| TOTAL | | 0 | 3 | 3 | 0 | 3 | 3 | | |

| 4th Year | 1st Semester | | | | | | | | |
|--------------|---|-----------|----------|-----------|-----------|----------|-----------|-----------------------------------|--|
| GEE11A-C | Environmental Science and Engineering | 3 | | 3 | 3.00 | | 3.00 | | |
| GEE12C-C | Gender and Society | 3 | | 3 | 3.00 | | 3.00 | | |
| GEE13B-C | Philippine Popular Culture | 3 | | 3 | 3.00 | | 3.00 | | |
| IPT-C | In-Campus Practice TEaching | 6 | | 6 | 6.00 | | 6.00 | PROFED4-C, PROFED11-C, PROFED10-C | |
| PROFED14-C | Thesis Writing | 3 | | 3 | 3.00 | | 3.00 | PROFED13-C | |
| PROFED16-C | Work-Based Learning with Emphasis on Trainers Methodology | 3 | | 3 | 3.00 | | 3.00 | PROFED15-C | |
| SEM3-C | Seminar in Professional Education for Teachers | 3 | | 3 | 3.00 | | 3.00 | | |
| TOTAL | | 24 | 0 | 24 | 24 | 0 | 24 | | |

| 4th Year | 2nd Semester | | | | | | | | |
|--------------|-------------------|----------|----------|----------|----------|----------|----------|-------|--|
| OPT-C | Practice Teaching | | 9 | 9 | | 9.00 | 9.00 | IPT-C | |
| TOTAL | | 0 | 9 | 9 | 0 | 9 | 9 | | |


SARAH JANE D. VELOS
 Campus Registrar