

## In-Demand Occupations List

The San Diego Workforce Partnership approves training programs that lead to self-sustainable careers in the local/regional economy, as supported by current labor market information identifying industry sectors and occupational clusters that are high-growth, high-demand, projecting skills shortages, and/or vital to the regional economy. Each year, the San Diego Workforce Partnership provides updated analysis to identify occupations in San Diego County that meet these criteria. DOL and DAS registered apprenticeships are exempt from the criteria below and will be included automatically.

In order to be eligible as a training provider on the San Diego ETPL or as a contracted training provider, training programs must train WIOA eligible participants for jobs in occupations that meet one of the following classifications and corresponding criteria.

### Priority Sector Classification:

- a. Typical education needed is equivalent to a High School Diploma or less.
- b. 50th percentile wage is at least \$20.82.
- c. Occupations added under this more lenient standard will be approved, with the expectation that training providers or employers provide written demonstration that participants are on track to earning a self-sufficient wage of \$20.82 an hour or more.
  - i. Letter from an employer with wage data, step raises or career growth.

### Criteria for Priority Sector Occupations:

1. **Openings:** More than 67 projected openings per year from 2022-2027, where openings are defined as replacement jobs—those requiring new hires due to existing workers leaving the occupation—plus growth in total jobs within the occupation.
2. **Experience:** Requires “none” or “less than five years” of work experience in a related occupation according to Bureau of Labor Statistics.
3. **Education:** The typical education needed for entry is a High School Diploma or less.
4. **Wage:** The 50th percentile wage (median) is at least \$20.82 per hour. In other words, at least 50% of workers in the occupation earn \$20.82 or more.
5. **Occupations:** The training program must train for a specific occupation or grouping of occupations within the same industry to be considered.

### Customer Choice Classification:

- a. Typical education needed includes at least an associate degree or equivalent work experience.
- b. 10th percentile wage is at least \$20.82.
- c. Occupations added under this standard are typically training programs for participants who require upskilling or reskilling. These are typically not entry-level occupations.

### Criteria for Customer Choice Occupations:

1. **Openings:** More than 67 projected openings per year from 2022-2027, where openings are defined as replacement jobs—those requiring new hires due to existing workers leaving the occupation—plus growth in total jobs within the occupation.
2. **Experience:** Requires work experience in a related occupation according to Bureau of Labor Statistics employment projections.

3. **Education:** The typical education needed for entry is at least an associate degree or equivalent work experience.
4. **Wage:** The 25th percentile wage is at least \$20.82 per hour. In other words, at least 75% of workers in the occupation earn \$20.82 or more.
5. **Occupations:** The training program must train for a specific occupation or grouping of occupations within the same industry to be considered.

*Note: Occupations in Standard Occupational Classification (SOC) codes not included in the In-Demand List will still be considered if there is a similar code that matches the description or if the Provider can make a case for the occupation in question. We did this to avoid excluding training opportunities that may provide participants with self-sustaining wages, however, we will monitor potentially low annual openings for job categories within these SOC codes. If placements related to jobs in those occupations after training remain low, we will remove those occupations from consideration in the future.*

ONETSOC	Description	Occupations Category
11-1011.00	Chief Executives	2-Customer Choice
11-1021.00	General and Operations Managers	2-Customer Choice
11-2021.00	Marketing Managers	2-Customer Choice
11-2032.00	Public Relations Managers	2-Customer Choice
11-3021.00	Computer and Information Systems Managers	2-Customer Choice
11-3031.00	Financial Managers	2-Customer Choice
11-3051.00	Industrial Production Managers	2-Customer Choice
11-3061.00	Purchasing Managers	2-Customer Choice
11-3071.00	Transportation, Storage, and Distribution Managers	2-Customer Choice
11-3121.00	Human Resources Managers	2-Customer Choice
11-3131.00	Training and Development Managers	2-Customer Choice
11-9021.00	Construction Managers	2-Customer Choice
11-9032.00	Education Administrators, Kindergarten through Secondary	2-Customer Choice
11-9041.00	Architectural and Engineering Managers	2-Customer Choice
11-9051.00	Food Service Managers	1-Priority Sector
11-9081.00	Lodging Managers	1-Priority Sector
11-9121.00	Natural Sciences Managers	2-Customer Choice
11-9141.00	Property, Real Estate, and Community Association Managers	1-Priority Sector
13-1028.00	Buyers and Purchasing Agents	2-Customer Choice
13-1031.00	Claims Adjusters, Examiners, and Investigators	1-Priority Sector
13-1041.00	Compliance Officers	2-Customer Choice
13-1051.00	Cost Estimators	2-Customer Choice
13-1071.00	Human Resources Specialists	2-Customer Choice
13-1081.00	Logisticians	2-Customer Choice
13-1082.00	Project Management Specialists	2-Customer Choice
13-1121.00	Meeting, Convention, and Event Planners	2-Customer Choice
13-1131.00	Fundraisers	2-Customer Choice
13-1161.00	Market Research Analysts and Marketing Specialists	2-Customer Choice
13-1199.00	Business Operations Specialists, All Other	2-Customer Choice
13-2011.00	Accountants and Auditors	2-Customer Choice
13-2028.00	Property Appraisers and Assessors	2-Customer Choice
13-2051.00	Financial and Investment Analysts	2-Customer Choice
13-2052.00	Personal Financial Advisors	2-Customer Choice
13-2053.00	Insurance Underwriters	2-Customer Choice

<b>13-2082.00</b>	Tax Preparers	1-Priority Sector
<b>13-2099.00</b>	Financial Specialists, All Other	2-Customer Choice
<b>15-1211.00</b>	Computer Systems Analysts	2-Customer Choice
<b>15-1221.00</b>	Computer and Information Research Scientists	2-Customer Choice
<b>15-1231.00</b>	Computer Network Support Specialists	2-Customer Choice
<b>15-1232.00</b>	Computer User Support Specialists	2-Customer Choice
<b>15-1241.00</b>	Computer Network Architects	2-Customer Choice
<b>15-1242.00</b>	Database Administrators	2-Customer Choice
<b>15-1244.00</b>	Network and Computer Systems Administrators	2-Customer Choice
<b>15-1251.00</b>	Computer Programmers	2-Customer Choice
<b>15-1252.00</b>	Software Developers	2-Customer Choice
<b>15-1253.00</b>	Software Quality Assurance Analysts and Testers	2-Customer Choice
<b>15-1254.00</b>	Web Developers	2-Customer Choice
<b>15-1255.00</b>	Web and Digital Interface Designers	2-Customer Choice
<b>15-1299.00</b>	Computer Occupations, All Other	2-Customer Choice
<b>15-2031.00</b>	Operations Research Analysts	2-Customer Choice
<b>15-2041.00</b>	Statisticians	2-Customer Choice
<b>15-2051.00</b>	Data Scientists	2-Customer Choice
<b>17-1011.00</b>	Architects, Except Landscape and Naval	2-Customer Choice
<b>17-2011.00</b>	Aerospace Engineers	2-Customer Choice
<b>17-2051.00</b>	Civil Engineers	2-Customer Choice
<b>17-2061.00</b>	Computer Hardware Engineers	2-Customer Choice
<b>17-2071.00</b>	Electrical Engineers	2-Customer Choice
<b>17-2072.00</b>	Electronics Engineers, Except Computer	2-Customer Choice
<b>17-2112.00</b>	Industrial Engineers	2-Customer Choice
<b>17-2141.00</b>	Mechanical Engineers	2-Customer Choice
<b>17-2199.00</b>	Engineers, All Other	2-Customer Choice
<b>17-3011.00</b>	Architectural and Civil Drafters	2-Customer Choice
<b>17-3022.00</b>	Civil Engineering Technologists and Technicians	2-Customer Choice
<b>17-3023.00</b>	Electrical and Electronic Engineering Technologists and Technicians	2-Customer Choice
<b>17-3027.00</b>	Mechanical Engineering Technologists and Technicians	2-Customer Choice
<b>17-3029.00</b>	Engineering Technologists and Technicians, Except Drafters, All Other	2-Customer Choice
<b>17-3031.00</b>	Surveying and Mapping Technicians	1-Priority Sector
<b>19-1021.00</b>	Biochemists and Biophysicists	2-Customer Choice
<b>19-1029.00</b>	Biological Scientists, All Other	2-Customer Choice
<b>19-1042.00</b>	Medical Scientists, Except Epidemiologists	2-Customer Choice
<b>19-2031.00</b>	Chemists	2-Customer Choice
<b>19-2041.00</b>	Environmental Scientists and Specialists, Including Health	2-Customer Choice
<b>19-3033.00</b>	Clinical and Counseling Psychologists	2-Customer Choice
<b>19-3034.00</b>	School Psychologists	2-Customer Choice
<b>19-3039.00</b>	Psychologists, All Other	2-Customer Choice
<b>19-3051.00</b>	Urban and Regional Planners	2-Customer Choice
<b>19-4021.00</b>	Biological Technicians	2-Customer Choice
<b>19-4031.00</b>	Chemical Technicians	2-Customer Choice
<b>19-4042.00</b>	Environmental Science and Protection Technicians, Including Health	2-Customer Choice
<b>19-4061.00</b>	Social Science Research Assistants	2-Customer Choice
<b>19-4099.00</b>	Life, Physical, and Social Science Technicians, All Other	2-Customer Choice
<b>19-5011.00</b>	Occupational Health and Safety Specialists	2-Customer Choice
<b>21-1012.00</b>	Educational, Guidance, and Career Counselors and Advisors	2-Customer Choice
<b>21-1013.00</b>	Marriage and Family Therapists	2-Customer Choice
<b>21-1018.00</b>	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	2-Customer Choice

<b>21-1021.00</b>	Child, Family, and School Social Workers	2-Customer Choice
<b>21-1022.00</b>	Healthcare Social Workers	2-Customer Choice
<b>21-1023.00</b>	Mental Health and Substance Abuse Social Workers	2-Customer Choice
<b>21-1029.00</b>	Social Workers, All Other	2-Customer Choice
<b>21-1091.00</b>	Health Education Specialists	2-Customer Choice
<b>21-1092.00</b>	Probation Officers and Correctional Treatment Specialists	2-Customer Choice
<b>21-1094.00</b>	Community Health Workers	1-Priority Sector
<b>21-1099.00</b>	Community and Social Service Specialists, All Other	2-Customer Choice
<b>21-2011.00</b>	Clergy	2-Customer Choice
<b>21-2099.00</b>	Religious Workers, All Other	2-Customer Choice
<b>23-1011.00</b>	Lawyers	2-Customer Choice
<b>23-2011.00</b>	Paralegals and Legal Assistants	2-Customer Choice
<b>23-2099.00</b>	Legal Support Workers, All Other	2-Customer Choice
<b>25-1099.00</b>	Postsecondary Teachers	2-Customer Choice
<b>25-2012.00</b>	Kindergarten Teachers, Except Special Education	2-Customer Choice
<b>25-2021.00</b>	Elementary School Teachers, Except Special Education	2-Customer Choice
<b>25-2022.00</b>	Middle School Teachers, Except Special and Career/Technical Education	2-Customer Choice
<b>25-2031.00</b>	Secondary School Teachers, Except Special and Career/Technical Education	2-Customer Choice
<b>25-2052.00</b>	Special Education Teachers, Kindergarten and Elementary School	2-Customer Choice
<b>25-2058.00</b>	Special Education Teachers, Secondary School	2-Customer Choice
<b>25-3021.00</b>	Self-Enrichment Teachers	1-Priority Sector
<b>25-3099.00</b>	Teachers and Instructors, All Other	2-Customer Choice
<b>25-4022.00</b>	Librarians and Media Collections Specialists	2-Customer Choice
<b>25-4031.00</b>	Library Technicians	2-Customer Choice
<b>25-9031.00</b>	Instructional Coordinators	2-Customer Choice
<b>25-9044.00</b>	Teaching Assistants, Postsecondary	2-Customer Choice
<b>27-1011.00</b>	Art Directors	2-Customer Choice
<b>27-1024.00</b>	Graphic Designers	2-Customer Choice
<b>27-3031.00</b>	Public Relations Specialists	2-Customer Choice
<b>27-3043.00</b>	Writers and Authors	2-Customer Choice
<b>27-3091.00</b>	Interpreters and Translators	2-Customer Choice
<b>27-4011.00</b>	Audio and Video Technicians	2-Customer Choice
<b>29-1021.00</b>	Dentists, General	2-Customer Choice
<b>29-1031.00</b>	Dietitians and Nutritionists	2-Customer Choice
<b>29-1051.00</b>	Pharmacists	2-Customer Choice
<b>29-1071.00</b>	Physician Assistants	2-Customer Choice
<b>29-1122.00</b>	Occupational Therapists	2-Customer Choice
<b>29-1123.00</b>	Physical Therapists	2-Customer Choice
<b>29-1126.00</b>	Respiratory Therapists	2-Customer Choice
<b>29-1127.00</b>	Speech-Language Pathologists	2-Customer Choice
<b>29-1129.00</b>	Therapists, All Other	2-Customer Choice
<b>29-1131.00</b>	Veterinarians	2-Customer Choice
<b>29-1141.00</b>	Registered Nurses	2-Customer Choice
<b>29-1171.00</b>	Nurse Practitioners	2-Customer Choice
<b>29-1215.00</b>	Family Medicine Physicians	2-Customer Choice
<b>29-1229.00</b>	Physicians, All Other	2-Customer Choice
<b>29-1292.00</b>	Dental Hygienists	2-Customer Choice
<b>29-2018.00</b>	Clinical Laboratory Technologists and Technicians	2-Customer Choice
<b>29-2034.00</b>	Radiologic Technologists and Technicians	2-Customer Choice
<b>29-2043.00</b>	Paramedics	2-Customer Choice
<b>29-2052.00</b>	Pharmacy Technicians	1-Priority Sector
<b>29-2056.00</b>	Veterinary Technologists and Technicians	2-Customer Choice
<b>29-2057.00</b>	Ophthalmic Medical Technicians	2-Customer Choice

<b>29-2061.00</b>	Licensed Practical and Licensed Vocational Nurses	2-Customer Choice
<b>29-2072.00</b>	Medical Records Specialists	2-Customer Choice
<b>29-2081.00</b>	Opticians, Dispensing	1-Priority Sector
<b>29-2099.00</b>	Health Technologists and Technicians, All Other	2-Customer Choice
<b>31-2011.00</b>	Occupational Therapy Assistants	2-Customer Choice
<b>31-2021.00</b>	Physical Therapist Assistants	2-Customer Choice
<b>31-9011.00</b>	Massage Therapists	2-Customer Choice
<b>31-9091.00</b>	Dental Assistants	2-Customer Choice
<b>31-9093.00</b>	Medical Equipment Preparers	1-Priority Sector
<b>31-9097.00</b>	Phlebotomists	2-Customer Choice
<b>31-9099.00</b>	Healthcare Support Workers, All Other	1-Priority Sector
<b>33-1012.00</b>	First-Line Supervisors of Police and Detectives	1-Priority Sector
<b>33-2011.00</b>	Firefighters	2-Customer Choice
<b>33-3012.00</b>	Correctional Officers and Jailers	1-Priority Sector
<b>33-3021.00</b>	Detectives and Criminal Investigators	1-Priority Sector
<b>33-3051.00</b>	Police and Sheriff's Patrol Officers	1-Priority Sector
<b>33-9093.00</b>	Transportation Security Screeners	1-Priority Sector
<b>35-1011.00</b>	Chefs and Head Cooks	2-Customer Choice
<b>37-1011.00</b>	First-Line Supervisors of Housekeeping and Janitorial Workers	1-Priority Sector
<b>37-1012.00</b>	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	1-Priority Sector
<b>37-3013.00</b>	Tree Trimmers and Pruners	1-Priority Sector
<b>39-1013.00</b>	First-Line Supervisors of Gambling Services Workers	1-Priority Sector
<b>39-1014.00</b>	First-Line Supervisors of Entertainment and Recreation Workers, Except Gambling Services	1-Priority Sector
<b>39-7018.00</b>	Tour and Travel Guides	1-Priority Sector
<b>39-9031.00</b>	Exercise Trainers and Group Fitness Instructors	1-Priority Sector
<b>41-1011.00</b>	First-Line Supervisors of Retail Sales Workers	1-Priority Sector
<b>41-1012.00</b>	First-Line Supervisors of Non-Retail Sales Workers	1-Priority Sector
<b>41-3011.00</b>	Advertising Sales Agents	1-Priority Sector
<b>41-3021.00</b>	Insurance Sales Agents	1-Priority Sector
<b>41-3031.00</b>	Securities, Commodities, and Financial Services Sales Agents	2-Customer Choice
<b>41-3091.00</b>	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1-Priority Sector
<b>41-4011.00</b>	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	2-Customer Choice
<b>41-4012.00</b>	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	1-Priority Sector
<b>41-9021.00</b>	Real Estate Brokers	1-Priority Sector
<b>41-9022.00</b>	Real Estate Sales Agents	1-Priority Sector
<b>41-9031.00</b>	Sales Engineers	2-Customer Choice
<b>43-1011.00</b>	First-Line Supervisors of Office and Administrative Support Workers	1-Priority Sector
<b>43-3021.00</b>	Billing and Posting Clerks	1-Priority Sector
<b>43-3031.00</b>	Bookkeeping, Accounting, and Auditing Clerks	2-Customer Choice
<b>43-3051.00</b>	Payroll and Timekeeping Clerks	1-Priority Sector
<b>43-3061.00</b>	Procurement Clerks	1-Priority Sector
<b>43-4031.00</b>	Court, Municipal, and License Clerks	1-Priority Sector
<b>43-4061.00</b>	Eligibility Interviewers, Government Programs	1-Priority Sector
<b>43-4131.00</b>	Loan Interviewers and Clerks	1-Priority Sector
<b>43-4161.00</b>	Human Resources Assistants, Except Payroll and Timekeeping	2-Customer Choice
<b>43-5011.00</b>	Cargo and Freight Agents	1-Priority Sector
<b>43-5031.00</b>	Public Safety Telecommunicators	1-Priority Sector
<b>43-5032.00</b>	Dispatchers, Except Police, Fire, and Ambulance	1-Priority Sector
<b>43-5052.00</b>	Postal Service Mail Carriers	1-Priority Sector

<b>43-5053.00</b>	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1-Priority Sector
<b>43-5061.00</b>	Production, Planning, and Expediting Clerks	1-Priority Sector
<b>43-6011.00</b>	Executive Secretaries and Executive Administrative Assistants	1-Priority Sector
<b>43-6012.00</b>	Legal Secretaries and Administrative Assistants	1-Priority Sector
<b>43-6014.00</b>	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	1-Priority Sector
<b>43-9041.00</b>	Insurance Claims and Policy Processing Clerks	1-Priority Sector
<b>43-9199.00</b>	Office and Administrative Support Workers, All Other	1-Priority Sector
<b>45-1011.00</b>	First-Line Supervisors of Farming, Fishing, and Forestry Workers	1-Priority Sector
<b>47-1011.00</b>	First-Line Supervisors of Construction Trades and Extraction Workers	2-Customer Choice
<b>47-2031.00</b>	Carpenters	1-Priority Sector
<b>47-2044.00</b>	Tile and Stone Setters	1-Priority Sector
<b>47-2051.00</b>	Cement Masons and Concrete Finishers	1-Priority Sector
<b>47-2061.00</b>	Construction Laborers	1-Priority Sector
<b>47-2073.00</b>	Operating Engineers and Other Construction Equipment Operators	1-Priority Sector
<b>47-2081.00</b>	Drywall and Ceiling Tile Installers	1-Priority Sector
<b>47-2111.00</b>	Electricians	1-Priority Sector
<b>47-2121.00</b>	Glaziers	1-Priority Sector
<b>47-2141.00</b>	Painters, Construction and Maintenance	1-Priority Sector
<b>47-2152.00</b>	Plumbers, Pipefitters, and Steamfitters	1-Priority Sector
<b>47-2161.00</b>	Plasterers and Stucco Masons	1-Priority Sector
<b>47-2181.00</b>	Roofers	1-Priority Sector
<b>47-2211.00</b>	Sheet Metal Workers	1-Priority Sector
<b>47-2221.00</b>	Structural Iron and Steel Workers	1-Priority Sector
<b>47-2231.00</b>	Solar Photovoltaic Installers	1-Priority Sector
<b>47-4011.00</b>	Construction and Building Inspectors	2-Customer Choice
<b>47-4041.00</b>	Hazardous Materials Removal Workers	1-Priority Sector
<b>49-1011.00</b>	First-Line Supervisors of Mechanics, Installers, and Repairers	1-Priority Sector
<b>49-2011.00</b>	Computer, Automated Teller, and Office Machine Repairers	2-Customer Choice
<b>49-2022.00</b>	Telecommunications Equipment Installers and Repairers, Except Line Installers	2-Customer Choice
<b>49-2091.00</b>	Avionics Technicians	2-Customer Choice
<b>49-2094.00</b>	Electrical and Electronics Repairers, Commercial and Industrial Equipment	2-Customer Choice
<b>49-2098.00</b>	Security and Fire Alarm Systems Installers	1-Priority Sector
<b>49-3011.00</b>	Aircraft Mechanics and Service Technicians	2-Customer Choice
<b>49-3021.00</b>	Automotive Body and Related Repairers	1-Priority Sector
<b>49-3023.00</b>	Automotive Service Technicians and Mechanics	2-Customer Choice
<b>49-3031.00</b>	Bus and Truck Mechanics and Diesel Engine Specialists	1-Priority Sector
<b>49-3042.00</b>	Mobile Heavy Equipment Mechanics, Except Engines	1-Priority Sector
<b>49-9021.00</b>	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2-Customer Choice
<b>49-9041.00</b>	Industrial Machinery Mechanics	1-Priority Sector
<b>49-9051.00</b>	Electrical Power-Line Installers and Repairers	1-Priority Sector
<b>49-9052.00</b>	Telecommunications Line Installers and Repairers	1-Priority Sector
<b>49-9071.00</b>	Maintenance and Repair Workers, General	1-Priority Sector
<b>49-9099.00</b>	Installation, Maintenance, and Repair Workers, All Other	1-Priority Sector
<b>51-1011.00</b>	First-Line Supervisors of Production and Operating Workers	1-Priority Sector
<b>51-2041.00</b>	Structural Metal Fabricators and Fitters	1-Priority Sector
<b>51-4041.00</b>	Machinists	1-Priority Sector
<b>51-4121.00</b>	Welders, Cutters, Solderers, and Brazers	1-Priority Sector
<b>51-8021.00</b>	Stationary Engineers and Boiler Operators	1-Priority Sector
<b>51-8031.00</b>	Water and Wastewater Treatment Plant and System Operators	1-Priority Sector

<b>51-9011.00</b>	Chemical Equipment Operators and Tenders	1-Priority Sector
<b>51-9012.00</b>	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	1-Priority Sector
<b>51-9023.00</b>	Mixing and Blending Machine Setters, Operators, and Tenders	1-Priority Sector
<b>51-9061.00</b>	Inspectors, Testers, Sorters, Samplers, and Weighers	1-Priority Sector
<b>51-9124.00</b>	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1-Priority Sector
<b>51-9161.00</b>	Computer Numerically Controlled Tool Operators	1-Priority Sector
<b>53-1047.00</b>	First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	1-Priority Sector
<b>53-2012.00</b>	Commercial Pilots	2-Customer Choice
<b>53-2021.00</b>	Air Traffic Controllers	2-Customer Choice
<b>53-2031.00</b>	Flight Attendants	1-Priority Sector
<b>53-3032.00</b>	Heavy and Tractor-Trailer Truck Drivers	2-Customer Choice
<b>53-3051.00</b>	Bus Drivers, School	1-Priority Sector
<b>53-3052.00</b>	Bus Drivers, Transit and Intercity	1-Priority Sector
<b>53-3099.00</b>	Motor Vehicle Operators, All Other	1-Priority Sector
<b>53-5011.00</b>	Sailors and Marine Oilers	1-Priority Sector
<b>53-7081.00</b>	Refuse and Recyclable Material Collectors	1-Priority Sector